

Per- & Polyfluoroalkyl Substances (PFAS) Standards



AccuStandard®

Per- and polyfluoroalkyl substances (PFAS)



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ISO 17034 • 17025 • 9001

Per- and polyfluoroalkyl substances (PFAS) belong to a continuously expanding family of over thousands of man-made chemical pollutants. The amphiphilic ability of PFAS has led to the manufacturing of PFAS in oils and water-resistant industrial and consumer products such as firefighting foams, cleaners, cosmetics, paints, adhesives and pesticides. However, environmental chemists and biologists have uncovered that PFAS have harmful toxicological effects and pose a significant risk to the public. The high thermal and chemical stability of PFAS make them persistent in the environment and nearly non-biodegradable, necessitating chemical reference standards to test the concentration of PFAS in drinking water, soil, food, biosolids and different consumer products.

For the latest PFAS product updates visit <https://www.accustandard.com/pfas-standards>

PFAS Compounds

PFAS Compounds

Perfluoroalkylsulfonates

	CAS No.	Conc.	Matrix	Cat. No.	Unit
Potassium perfluoro-1-octanesulfonate	2795-39-3		NEAT	PFOS-002N-10MG	10 mg
Potassium perfluoro-1-butananesulfonate (PPBS)	29420-49-3	100 µg/mL	MeOH	PFOS-002S	1 mL
Sodium perfluoro-1-pentanesulfonate	630402-22-1	50 µg/mL	MeOH	PFOS-005S	1 mL
Potassium perfluoro-1-hexanesulfonate	3871-99-6	50 µg/mL	MeOH	PFOS-006S	1 mL
Sodium perfluoro-1-heptanesulfonate (PFHpS, Sodium salt)	21934-50-9	100 µg/mL	MeOH	PFOS-007S	1 mL
Sodium perfluoro-1-nonanesulfonate	98789-57-2	100 µg/mL	MeOH	PFOS-008S	1 mL
Sodium perfluoro-1-decanesulfonate	2806-15-7	100 µg/mL	MeOH	PFOS-009S	1 mL
Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	83329-89-9	100 µg/mL	MeOH	PFOS-010S	1 mL
Potassium 9-chlorohexadecafluoro-3-oxanone-1-sulfonate	73606-19-6	100 µg/mL	MeOH	PFOS-021S-M	1 mL
Sodium perfluorododecanesulfonate	1260224-54-1	100 µg/mL	MeOH	PFOS-022S-M	1 mL
Potassium perfluoro-4-ethylcyclohexane sulfonate (PFECHS)	335-24-0	100 µg/mL	ACN	PFOS-038S-CN	1 mL
Sodium perfluoro-1-propanesulfonate	359868-82-9	2 µg/mL	MeOH	PFOS-041S-0.02X	1 mL
1H,1H,2H,2H-Perfluorododecanesulfonate sodium salt (10:2 FTS)	108026-35-3	100 µg/mL	MeOH	PFOS-050S	1 mL
		100 µg/mL	MeOH	PFOS-052S	1 mL

Perfluoroalkylcarboxylic acids and Salts

Perfluoro(2-methyl-3-oxahexanoic) acid (HFPO-DA)	13252-13-6	2 µg/mL	MeOH	PFAS-002S-0.02X	1 mL
		100 µg/mL	MeOH	PFAS-002S	1 mL
Perfluoro-n-octanoic acid	335-67-1		NEAT	PFOA-001N	100 mg
		100 µg/mL	MeOH	PFOA-001S	1 mL
Perfluoro-n-butanoic acid (PFBA)	375-22-4	100 µg/mL	MeOH	PFOA-002S	1 mL
Perfluoro-n-decanoic acid (PFDA)	335-76-2	100 µg/mL	MeOH	PFOA-003S	1 mL
Perfluoro-n-dodecanoic acid (PFDaA)	307-55-1	100 µg/mL	MeOH	PFOA-004S	1 mL
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	100 µg/mL	MeOH	PFOA-005S	1 mL
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	100 µg/mL	MeOH	PFOA-006S	1 mL
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	100 µg/mL	MeOH	PFOA-007S	1 mL
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	100 µg/mL	MeOH	PFOA-008S	1 mL
Perfluoro-n-undecanoic acid (PFUnA)	2058-94-8	100 µg/mL	MeOH	PFOA-009S	1 mL
2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)	34598-33-9	100 µg/mL	MeOH	PFOA-010S	1 mL
2,2,3,3,3-Pentafluoropropionic acid (PFPrA)	422-64-0	2 µg/mL	MeOH	PFOA-015S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-015S	1 mL
Perfluoro-n-tridecanoic acid (PFTriA)	72629-94-8	50 µg/mL	MeOH:Water	PFOA-016S-M-W	1 mL
Perfluoro-n-tetradecanoic acid (PFTreA)	376-06-7	50 µg/mL	MeOH:Water	PFOA-017S-M-W	1 mL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	2 µg/mL	MeOH	PFOA-018S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-018S	1 mL
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	2 µg/mL	MeOH	PFOA-020S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-020S	1 mL
Perfluoro(4-methoxybutanoic) acid (PFMBA)	863090-89-5	2 µg/mL	MeOH	PFOA-021S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-021S	1 mL
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3	2 µg/mL	MeOH	PFOA-022S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-022S	1 mL
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	812-70-4	2 µg/mL	MeOH	PFOA-023S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-023S	1 mL
2H-Perfluoro-2-octenoic acid (FHUEA)	70887-88-6	2 µg/mL	MeOH	PFOA-024S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-024S	1 mL
3-Perfluoropropyl Propanoic acid (3:3 FTCA)	356-02-5	100 µg/mL	MeOH	PFOA-026S	1 mL
2H-Perfluoro-2-decenoic acid (FOUEA)	70887-84-2	2 µg/mL	MeOH	PFOA-027S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-027S	1 mL
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	100 µg/mL	ACN	PFOA-028S-CN	1 mL
Perfluorooctadecanoic acid (PFODA)	16517-11-6	2 µg/mL	MeOH	PFOA-029S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-029S	1 mL
2H,2H-Perfluorooctanoic acid (6:2 FTCA)	53826-12-3	100 µg/mL	ACN	PFOA-030S-CN	1 mL
2H,2H-Perfluorododecanoic acid (10:2 FTCA)	53826-13-4	100 µg/mL	MeOH:Water(75:25)	PFOA-031S	1 mL
2H,2H-Perfluorodecanoic acid (8:2 FTCA)	27854-31-5	100 µg/mL	ACN	PFOA-032S-CN	1 mL
Ammonium perfluoro-3,6-dioxaoctanoate	908020-52-0	100 µg/mL	ACN	PFOA-049S-CN	1 mL
2H,2H,3H,3H-Perfluorononanoic acid (6:3 FTCA)	27854-30-4	2 µg/mL	MeOH	PFOA-043S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-043S	1 mL
2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	100 µg/mL	ACN	PFOA-044S-CN	1 mL
7H-Perfluoroheptanoic acid	1546-95-8	100 µg/mL	MeOH	PFOA-045S	1 mL
Trifluoroacetic acid (TFA)	76-05-1	100 µg/mL	MeOH	PFOA-048S	1 mL
		100 µg/mL	ACN	PFOA-048S-CN	1 mL
Perfluoro-3,7-dimethyloctanoic acid	172155-07-6	100 µg/mL	ACN	PFOA-051S-CN	1 mL
Methyl perfluorooctanoate	376-27-2	100 µg/mL	ACN	PFOA-052S-CN	1 mL
2,3,3,3-Tetrafluoropropanoic acid	359-49-9	100 µg/mL	ACN	PFOA-053S-CN	1 mL
2,2,3,3-Tetrafluoropropionic acid	756-09-2	100 µg/mL	ACN	PFOA-055S-CN	1 mL
Difluoroacetic acid (DFA)	381-73-7	100 µg/mL	ACN	PFOA-065S-CN	1 mL
2H, 2H-Perfluorohexanoic acid (4:2-FTCA)	70887-89-7	100 µg/mL	ACN	PFOS-067S-CN	1 mL
Sodium heptafluorobutyrate	2218-54-4	100 µg/mL	MeOH	PFOS-044S	1 mL

PFAS compounds continued on next page

PFAS Compounds

PFAS Compounds (continued)

Perfluorooctylsulfonamidoacetic acids

	CAS No.	Conc.	Matrix	Cat. No.	Unit
N-methylperfluoro-1-octanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	2 µg/mL	MeOH	PFOS-014S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-014S	1 mL
N-ethylperfluoro-1-octanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	2 µg/mL	MeOH	PFOS-015S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-015S	1 mL

Perfluoroamides

Perfluorobutyramide	662-50-0	100 µg/mL	ACN	PFOA-054S-CN	1 mL
Bis(trifluoromethane)sulfonylimide lithium salt (HQ-115)	90076-65-6	100 µg/mL	MeOH	PFOS-030S	1 mL
N-Methylperfluoro-1-octanesulfonamide (NMeFOSA)	31506-32-8	2 µg/mL	MeOH	PFOS-032S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-032S	1 mL
N-Methylperfluorooctanesulfonamidoethanol (NMeFOSE)	24448-09-7	2 µg/mL	MeOH	PFOS-033S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-033S	1 mL
Perfluorooctane sulfonamide (PFOSA)	754-91-6	2 µg/mL	MeOH	PFOS-035S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-035S	1 mL
Sulfluramid (NEtFOSA)	4151-50-2	2 µg/mL	MeOH	PFOS-036S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-036S	1 mL
N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulphonamide (NEtFOSE)	1691-99-2	2 µg/mL	MeOH	PFOS-039S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-039S	1 mL
N-Methyl-perfluorohexane-1-sulfonamide (MeFHxSA)	68259-15-4	100 µg/mL	MeOH	PFOS-043S	1 mL
Perfluoro-1-butanedisulfonamide (FBISA)	30334-69-1	100 µg/mL	MeOH	PFOS-057S	1 mL
Perfluoro-1-hexanedisulfonamide (FHxSA)	41997-13-1	100 µg/mL	MeOH	PFOS-058S	1 mL
2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol	34454-97-2	100 µg/mL	MeOH	PFOS-059S	1 mL
N-Ethyl perfluorohexane sulfonamide	87988-56-5	100 µg/mL	MeOH	PFOS-062S	1 mL
N-Ethyl-N-(2-hydroxyethyl)perfluorohexanesulfonamide (EtFHxSE)	34455-03-3	100 µg/mL	MeOH	PFOS-063S	1 mL
Perfluorooctanamide	423-54-1	100 µg/mL	MeOH	PFOS-066S	1 mL

Perfluoroalkyl phosphates (PAPs)

Mono[2-(perfluorooctyl)ethyl] phosphate (8:2-MonoPAP)	57678-03-2	100 µg/mL	ACN	PFAP-001S	1 mL
Bis[2-(perfluorohexyl)ethyl]phosphate (6:2-DiPAP)	57677-95-9	100 µg/mL	ACN	PFAP-002S	1 mL
Mono[2-(perfluorohexyl)ethyl] phosphate (6:2-MonoPAP)	57678-01-0	100 µg/mL	ACN	PFAP-004S	1 mL
Tris[2-(perfluorohexyl)ethyl] phosphate (6:2 TriPAPS)	165325-62-2	20 µg/mL	ACN	PFAP-005S-0.2X	1 mL
Bis(2-(ethyl((perfluorooctyl)sulfonyl)amino)ethyl) hydrogen phosphate	2965-52-8	100 µg/mL	ACN	PFAP-006S	1 mL
Bis[2-(perfluorooctyl)ethyl] phosphate (8:2-DiPAP)	678-41-1	2 µg/mL	MeOH	PFAS-001S-0.2X	1 mL
		100 µg/mL	MeOH	PFAS-001S	1 mL

Sulfonic acids

Perfluoro-n-octane sulfonic acid (PFOS)	1763-23-1	100 µg/mL	MeOH	PFOS-001S	1 mL
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	2 µg/mL	MeOH	PFOS-024S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-024S	1 mL
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	2 µg/mL	MeOH	PFOS-028S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-028S	1 mL
Perfluorohexane-1-sulfonic acid (PFHxS)	355-46-4	2 µg/mL	MeOH	PFOS-029S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-029S	1 mL
Perfluorononanesulfonic acid (PFNS)	68259-12-1	2 µg/mL	MeOH	PFOS-031S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-031S	1 mL
Perfluorobutane-1-sulfonic acid (PFBS)	375-73-5	2 µg/mL	MeOH	PFOS-034S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-034S	1 mL
Pentafluoroethanesulfonic acid (PFETs)	354-88-1	100 µg/mL	ACN	PFOS-046S-CN	1 mL
Trifluoromethanesulfonic acid (TFMS)	1493-13-6	100 µg/mL	ACN	PFOS-047S-CN	1 mL
Perfluoroundecanesulfonic acid (PFUnDS)	749786-16-1	2 µg/mL	ACN	PFOS-061S-CN-0.02X	1 mL
Perfluorodecane-1-sulfonic acid (PFDS)	335-77-3	100 µg/mL	ACN	PFOA-011S-CN	1 mL
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	2 µg/mL	MeOH	PFOA-013S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-013S	1 mL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	2 µg/mL	MeOH	PFOA-014S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-014S	1 mL
Perfluoro(2-ethoxyethane)sulphonic acid (PFEESA)	113507-82-7	2 µg/mL	MeOH	PFOA-019S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-019S	1 mL
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	2 µg/mL	MeOH	PFOA-025S-0.02X	1 mL
		100 µg/mL	MeOH	PFOA-025S	1 mL
Perfluoroundecanesulfonic acid (PFUnDS)	749786-16-1	2 µg/mL	ACN	PFOS-061S-CN-0.02X	1 mL
Perfluoro-3,6-dioxo-4-methyl-7-octenesulfonic acid	29311-67-9	100 µg/mL	ACN	PFOA-064S-CN	1 mL

Telomer sulfonates

Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4:2 FTS)	27619-93-8	100 µg/mL	MeOH	PFOS-011S	1 mL
Sodium 1H,1H,2H,2H-perfluoro-1-octanesulfonate (6:2 FTS)	27619-94-9	100 µg/mL	MeOH	PFOS-012S	1 mL
Sodium 1H,1H,2H,2H-perfluoro-1-decanesulfonate (8:2 FTS)	27619-96-1	100 µg/mL	MeOH	PFOS-013S	1 mL

PFAS Compounds

PFAS Compounds (continued)

Fluorinated telomer alcohols (FTOHs) are known as precursors for PFAS compounds. FTOHs can biodegrade (oxidize) to the Poly- and Perfluorinated acids (PFCA) derivative. PFCAs are part of the PFAS target compounds in different EPA, ASTM as well as ISO test methods.

Fluorinated telomer alcohols

	CAS No.	Conc.	Matrix	Cat. No.	Unit
2,2-Difluoropropan-1-ol 3H,3H,3H (2:1 FTOH)	33420-52-9	100 µg/mL	PT MeOH	FTOH-001S	1 mL
3,3,3-Trifluoropropan-1-ol (1:2 FTOH)	2240-88-2	100 µg/mL	PT MeOH	FTOH-002S	1 mL
2,2,3,3,3-Pentafluoropropan-1-ol	422-05-9	100 µg/mL	PT MeOH	FTOH-003S	1 mL
1H,1H,2H,2H,3H,3H-Perfluorobutan-1-ol (1:3 FTOH)	461-18-7	100 µg/mL	PT MeOH	FTOH-004S	1 mL
1H,1H-Perfluorobutan-1-ol (3:1 FTOH)	375-01-9	100 µg/mL	PT MeOH	FTOH-005S	1 mL
1H,1H,2H,2H-Perfluorobutan-1-ol (2:2 FTOH)	54949-74-5	100 µg/mL	PT MeOH	FTOH-006S	1 mL
1H,1H,5H-Perfluoropentan-1-ol (5H 4:1 FTOH)	355-80-6	100 µg/mL	PT MeOH	FTOH-007S	1 mL
2-(Perfluorobutyl)ethanol (4:2)	2043-47-2	100 µg/mL	PT MeOH	FTOH-008S	1 mL
1H,1H,2H,2H,3H,3H-Perfluorohexan-1-ol (3:3 FTOH)	679-02-7	100 µg/mL	PT MeOH	FTOH-009S	1 mL
1H,1H,5H-Perfluoropentan-1-ol (5H 4:1 FTOH)	423-46-1	100 µg/mL	PT MeOH	FTOH-010S	1 mL
1H,1H,7H-Perfluoroheptan-1-ol (7H 6:1 FTOH)	335-99-9	100 µg/mL	PT MeOH	FTOH-011S	1 mL
1H,1H-Perfluoroheptan-1-ol (6:1 FTOH)	375-82-6	100 µg/mL	PT MeOH	FTOH-012S	1 mL
1H,1H,2H,2H-Perfluorooctan-1-ol (6:2)	647-42-7	100 µg/mL	PT MeOH	FTOH-013S	1 mL
1H,1H,2H,2H-1H,1H,8H-Perfluorooctan-1-ol (8H 7:1 FTOH)	10331-08-5	100 µg/mL	PT MeOH	FTOH-014S	1 mL
1H,1H-Perfluorooctan-1-ol (7:1 FTOH)	307-30-2	100 µg/mL	PT MeOH	FTOH-015S	1 mL
1H,1H,2H,2H,3H,3H-Perfluorononan-1-ol (6:3 FTOH)	80806-68-4	100 µg/mL	PT MeOH	FTOH-016S	1 mL
1H,1H,9H-Perfluorononan-1-ol (9H 8:1 FTOH)	376-18-1	100 µg/mL	PT MeOH	FTOH-018S	1 mL
1H,1H-Perfluorononan-1-ol (8:1 FTOH)	423-56-3	100 µg/mL	PT MeOH	FTOH-019S	1 mL
1H,1H,10H,10H-Perfluoro-1,10-decanediol (1:8:1 FTdiOH)	754-96-1	100 µg/mL	PT MeOH	FTOH-020S	1 mL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2)	678-39-7	100 µg/mL	PT MeOH	FTOH-021S	1 mL
1H,1H-Perfluorodecan-1-ol (9:1 FTOH)	307-37-9	100 µg/mL	PT MeOH	FTOH-022S	1 mL
1H,1H,2H,2H-Perfluoro-9-methyldecan-1-ol (9Me 8:2 FTOH)	31200-98-3	100 µg/mL	PT MeOH	FTOH-024S	1 mL
1H,1H-Perfluoroundecan-1-ol (10:1 FTOH)	307-46-0	100 µg/mL	PT MeOH	FTOH-026S	1 mL
1H,1H,2H,2H-Perfluorododecan-1-ol (10:2)	865-86-1	100 µg/mL	PT MeOH	FTOH-027S	1 mL
1H,1H,13H-Perfluorotridecan-1-ol (13H 12:1 FTOH)	423-72-3	100 µg/mL	PT MeOH	FTOH-028S	1 mL
1H,1H,2H,2H-Perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	100 µg/mL	PT MeOH	FTOH-029S	1 mL
1H,1H-Perfluorotetradecan-1-ol (13:1 FTOH)	15622-57-8	100 µg/mL	PT MeOH	FTOH-030S	1 mL
1H,1H,2H,3H-Perfluoronon-2-en-1-ol (Allylic 6:3 FTOH)	38550-47-9	100 µg/mL	PT MeOH	FTOH-034S	1 mL
3-(Perfluorooctyl)propanol	1651-41-8	100 µg/mL	PT MeOH	FTOH-035S	1 mL

Fluorotelomer Alcohols Mix 1

FTOH-MIX-001

100 µg/mL each in PT MeOH

1 mL
12 comps.

1H,1H,2H,2H-Perfluorohexan-1-ol (2-Perfluorobutyl ethanol)
1H,1H,2H,2H-Perfluorododecan-1-ol
1H,1H,2H,2H-Perfluoro-1-decanol
1H,1H,2H,2H-Perfluorooctan-1-ol

1H,1H,2H,2H-Perfluoro-9-methyldecan-1-ol
1H,1H-Perfluorooctan-1-ol
1H,1H,2H,2H-Perfluorotetradecan-1-ol
1H,1H,10H,10H-Perfluoro-1,10-decanediol

1H,1H,2H,2H,3H,3H-Perfluorononan-1-ol
1H,1H-Perfluorononan-1-ol
1H,1H-Perfluorohexan-1-ol
1H,1H,5H-Perfluoropentan-1-ol

Fluorotelomer methacrylates

	CAS No.	Conc.	Matrix	Cat. No.	Unit
2-(Perfluorohexyl)ethyl methacrylate (6:2 FTMAC)	2144-53-8	100 µg/mL	MeOH	FTMAC-001S	1 mL
2-(Perfluorooctyl)ethyl methacrylate (8:2 FTMAC)	1996-88-9	100 µg/mL	MeOH	FTMAC-002S	1 mL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMAC)	2144-54-9	100 µg/mL	MeOH	FTMAC-003S	1 mL
1H,1H-Perfluorooctyl methacrylate	3934-23-4	100 µg/mL	MeOH	FTMAC-004S	1 mL

Fluorotelomer acrylates

	CAS No.	Conc.	Matrix	Cat. No.	Unit
2-(Perfluorodecyl)ethyl acrylate (10:2 FTAC)	17741-60-5	100 µg/mL	MeOH	FTAC-001S	1 mL
2-(Perfluorooctyl)ethyl acrylate (8:2 FTAC)	27905-45-9	100 µg/mL	MeOH	FTAC-002S	1 mL
2-(Perfluorohexyl)ethyl acrylate (TFOA)	17527-29-6	100 µg/mL	MeOH	FTAC-003S	1 mL

Perfluoroalkyl acetates

	CAS No.	Conc.	Matrix	Cat. No.	Unit
2-Perfluorooctylethyl acetate (8:2 FTOAc)	37858-04-1	100 µg/mL	MeOH	FTOA-001S	1 mL

Technical grades and other PFAS

	CAS No.	Conc.	Matrix	Cat. No.	Unit
Heptadecafluoro-1-iodooctane	507-63-1	100 µg/mL	MeOH	PFAS-005S	1 mL
1H,1H,2H,2H-1-Iodoperfluoro(7-methyloctane)	18017-20-4	100 µg/mL	MeOH	PFAS-006S	1 mL
1-Iodo-1H,1H,2H,2H-perfluorodecane	2043-53-0	100 µg/mL	MeOH	PFAS-007S	1 mL
Capstone A	80475-32-7	2 µg/mL	MeOH	PFOA-047S-0.02X	1 mL
Capstone B	34455-29-3	2 µg/mL	MeOH	PFOA-046S-0.02X	1 mL
Perfluoro(2-methyl-3-oxahexanoyl) chloride	72848-57-8	100 µg/mL	ACN	PFOA-050S-CN	1 mL
Ammonium perfluoro(2-methyl-3-oxahexanoate) (GenX)	62037-80-3	100 µg/mL	MeOH	PFOS-019S	1 mL
			NEAT	PFOS-019N-10MG	10 mg
F-53B (Tech mix)		2 µg/mL	MeOH	PFOS-040S-0.02X	1 mL
		100 µg/mL	MeOH	PFOS-040S	1 mL
7H-Perfluoro-4-methyl-3,6-dioxaoctanesulfonic acid (PFESA BP 2)	749836-20-2	100 µg/mL	MeOH	PFOS-055S	1 mL
Bis(trifluoromethanesulfonyl)imide	82113-65-3	100 µg/mL	MeOH	PFOS-068S	1 mL
N-Perfluorobutanesulfonylglycine (FBSAA)	347872-22-4	100 µg/mL	ACN	PFOS-069S-CN	1 mL
Scotchgard™ Pre-2002 Formulation (Tech mix)		100 µg/mL	MeOH	PFOS-SCG-001S	1 mL
Scotchgard™ Post-2002 Formulation (Tech mix)		100 µg/mL	MeOH	PFOS-SCG-002S	1 mL

PFAS EPA Methods

EPA Drinking Water Target PFAS Reference Standard

PFAS in Drinking Water Standard

PFAS-EPA-DW-01

20 µg/mL each in ACN

1 mL
6 comps.

Perfluoro-n-octanoic acid
Perfluorooctane-1-sulfonic acid
Perfluoro-n-nonanoic acid

Perfluorohexane-1-sulfonic acid
Perfluorobutane-1-sulfonic acid
Perfluoro(2-methyl-3-oxahexanoic) acid

Method 533 PFAS in Drinking Water Standard

PFAS in Drinking Water Standard

M-533

2 µg/mL each in MeOH:Water (95:5)

1 mL
25 comps.

11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid
4,8-Dioxo-3H-perfluorononanoic acid
Perfluoro(2-methyl-3-oxahexanoic) acid
Nonafluoro-3,6-dioxaheptanoic acid
Perfluoro-n-butanoic acid
Perfluorobutane-1-sulfonic acid
1H,1H,2H,2H-Perfluorodecanesulfonic acid
Perfluoro-n-decanoic acid

Perfluoro-n-dodecanoic acid
Perfluoro(2-ethoxyethane)sulphonic acid
Perfluoroheptanesulfonic acid
Perfluoro-n-heptanoic acid
1H,1H,2H,2H-Perfluorohexanesulfonic acid
Perfluorohexane-1-sulfonic acid
Perfluoro-n-hexanoic acid
Perfluoro-3-methoxypropanoic acid

Perfluoro(4-methoxybutanoic) acid
Perfluoro-n-nonanoic acid
1H,1H,2H,2H-Perfluorooctane sulfonic acid
Perfluorooctane-1-sulfonic acid
Perfluoro-n-octanoic acid
Perfluoro-n-pentanoic acid
Perfluoropentanesulfonic acid
Perfluoro-n-undecanoic acid

Method 537.1 Method Standard

This updated version of USEPA Method 537 can be used for the quantitative analysis of 18 analytes by Solid Phase Extraction (SPE) and Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS).

EPA 537.1 Method Standard

M-537.1

2 µg/mL each in MeOH

1 mL
18 comps.

Perfluoro(2-methyl-3-oxahexanoic) acid
N-ethylperfluoro-1-octanesulfonamidoacetic acid
N-methylperfluoro-1-octanesulfonamidoacetic acid
Perfluorobutane-1-sulfonic acid
Perfluoro-n-decanoic acid
Perfluoro-n-dodecanoic acid
Perfluoro-n-heptanoic acid Perfluorohexane-1-sulfonic acid
Perfluoro-n-hexanoic acid
Perfluoro-n-nonanoic acid

Perfluorooctane-1-sulfonic acid
Perfluoro-n-octanoic acid
Perfluoro-n-tetradecanoic acid
Perfluoro-n-tridecanoic acid
Perfluoro-n-undecanoic acid
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid
4,8-Dioxo-3H-perfluorononanoic acid

Technical Notes

LC-MS/MS is preferable for low detection limit analysis, and for regulatory compliance for EPA, ASTM D7979 or other methods.

PFAS compounds exist in both linear and branched forms in nature. Each lot manufactured may carry a different ratio than previous lots. A ratio of linear and branched isomers will be provided on each standard's Certificate of Analysis if both linear and branched isomers are present. If no ratio appears, then the standard contains only the linear isomer. Contact our Technical Department if the ratio of our current lots must be known prior to placing an order.

Method 537 Native Compound Standard

This was one of the first test methods introduced for the determination of 14 PFAS in drinking water using Solid Phase Extraction (SPE) and Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS). The method was updated in 2018 by the USEPA to 537.1 which expanded the scope to 18 PFAS compounds.

Method 537 Native Compound Standard

M-537

50 µg/mL each in ACN:Water (95:5)

1 mL
14 comps.

Perfluoro-n-hexanoic acid
Perfluoro-n-heptanoic acid
Perfluoro-n-octanoic acid
Perfluoro-n-nonanoic acid
Perfluoro-n-decanoic acid
Perfluoro-n-undecanoic acid
Perfluoro-n-dodecanoic acid

Perfluoro-n-tridecanoic acid
Perfluoro-n-tetradecanoic acid
N-Methylperfluorooctanesulfonamidoacetic acid
N-Ethylperfluorooctanesulfonamidoacetic acid
Perfluoro-n-butane sulfonic acid
Perfluoro-n-hexane sulfonic acid
Perfluoro-n-octane sulfonic acid

Technical Note

PFAS compounds may exist in linear and branched forms, with each lot potentially having a different ratio. If both isomers are present, the ratio will be listed on the Certificate of Analysis. If no ratio appears, the standard contains only the linear isomer.

PFAS EPA Methods

Method 1621 Adsorbable Organic Fluorine (AOF) in Aqueous Matrices by CIC

Method 1621 Fluorine Working Standard

M-1621-WS-1

100 µg/mL in Water

1 mL

Fluoride

Adsorbable Organic Fluorine Standard (AOF)

AOF-001S

100 µg/mL in MeOH

1 mL

4-Fluorobenzoic acid

Method 1633 PFAS/PFOA in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS

These standards contain the 40 PFAS described in USEPA Method 1633. Method 1633 is for the analysis of PFAS in aqueous, solid, biosolids and tissue samples using LC-MS/MS technique.

Method 1633 Mix 1

M-1633-1-CN-10X

At stated conc. (µg/mL) in ACN

1 mL

11 comps.

Perfluoro-n-butanoic acid	80
Perfluoro-n-pentanoic acid	40
Perfluoro-n-hexanoic acid	20
Perfluoro-n-heptanoic acid	20
Perfluoro-n-octanoic acid	20
Perfluoro-n-nonanoic acid	20
Perfluoro-n-decanoic acid	20
Perfluoro-n-undecanoic acid	20
Perfluoro-n-dodecanoic acid	20
Perfluoro-n-tridecanoic acid	20
Perfluoro-n-tetradecanoic acid	20

Method 1633 Mix 3A

M-1633-3A-CN-10X

20 µg/mL each in ACN

1 mL

5 comps.

Sulfluramid
Perfluorooctane sulfonamide
N-Methylperfluoro-1-octanesulfonamide
N-Ethylperfluoro-1-octanesulfonamidoacetic acid
N-Methylperfluoro-1-octanesulfonamidoacetic acid

Method 1633 Mix 3B

M-1633-3B-CN-10X

100 µg/mL each in ACN

1 mL

2 comps.

N-Methylperfluorooctanesulfonamidoethanol
N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulfonamide

Method 1633 Mix 4A

M-1633-4A-CN-R1-5X *

At stated conc (µg/mL) in ACN

1 mL

8 comps.

Perfluoro-3-methoxypropanoic acid	10
Perfluoro(4-methoxybutanoic) acid	10
Nonfluoro-3,6-dioxahexanoic acid	10
Perfluoro(2-ethoxyethane)sulphonic acid	10
3-Perfluoropropyl propanoic acid	20
2H,2H,3H,3H-Perfluorooctanoic acid	100
2H,2H,3H,3H-Perfluorodecanoic acid	100
4,8-Dioxo-3H-perfluorononanoic acid	10

PFAS-002S

100 µg/mL in MeOH

1 mL

Perfluoro(2-methyl-3-oxahexanoic) acid (HFPO-DA)

Method 1633 Mix 2

M-1633-2-CN-10X

At stated conc. (µg/mL) in ACN

1 mL

11 comps.

Perfluorobutane-1-sulfonic acid	20
Perfluoropentanesulfonic acid	20
Perfluorohexane-1-sulfonic acid	20
Perfluoroheptanesulfonic acid	20
Perfluorooctane-1-sulfonic acid	20
Perfluorononanesulfonic acid	20
Perfluorodecane-1-sulfonic acid	20
Perfluorododecanesulfonic acid	20
1H,1H,2H,2H-Perfluorohexanesulfonic acid	80
1H,1H,2H,2H-Perfluorooctanesulfonic acid	80
1H,1H,2H,2H-Perfluorodecanesulfonic acid	80

Technical Notes

For improved stability, PFAS-002S is offered separately from Mix 4A

* Cold Pack required to maintain integrity of product.

Method 8327 Native PFAS Reference Standard for Ground, Surface, and Wastewater

This Certified Reference Material (CRM) contains the 24 PFAS based on EPA Method 8327 which is suitable for testing PFAS in surface water, groundwater and wastewater matrices. Our two CRMs M-8327-10X and M-8327 are offered at a high and a low concentration to meet the specific needs of your testing.

Native PFAS Reference Standard

M-8327

2 µg/mL each in MeOH

1 mL

24 comps.

M-8327-10X

20 µg/mL each in MeOH

1 mL

24 comps.

Perfluorobutane-1-sulfonic acid
Perfluoropentanesulfonic acid
Perfluorohexane-1-sulfonic acid
Perfluoroheptanesulfonic acid
Perfluorooctane-1-sulfonic acid
Perfluorononanesulfonic acid
Perfluorodecane-1-sulfonic acid
1H,1H,2H,2H-Perfluorohexanesulfonic acid

1H,1H,2H,2H-Perfluorooctanesulfonic acid
1H,1H,2H,2H-Perfluorodecanesulfonic acid
Perfluoro-n-butanoic acid
Perfluoro-n-pentanoic acid
Perfluoro-n-hexanoic acid
Perfluoro-n-heptanoic acid
Perfluoro-n-octanoic acid
Perfluoro-n-nonanoic acid

Perfluoro-n-decanoic acid
Perfluoro-n-undecanoic acid
Perfluoro-n-dodecanoic acid
Perfluoro-n-tridecanoic acid
Perfluoro-n-tetradecanoic acid
N-ethylperfluoro-1-octanesulfonamidoacetic acid
N-methylperfluoro-1-octanesulfonamidoacetic acid
Perfluorooctane sulfonamide

Technical Notes

NaOH is added for stability to multi-component PFAS standards

PFAS ASTM Methods

ASTM D7968 Polyfluorinated Compounds in Soil by LC-MS/MS

Native PFAS in Soil Standard

D-7968

2 µg/mL each in MeOH

1 mL

21 comps.

Perfluoro-n-tetradecanoic acid	Perfluoro-n-octanoic acid	2H,2H-Perfluorooctanoic acid
Perfluoro-n-tridecanoic acid	Perfluorohexane-1-sulfonic acid	2H,2H-Perfluorodecanoic acid
Perfluoro-n-dodecanoic acid	Perfluoro-n-heptanoic acid	2H,2H-Perfluorododecanoic acid
Perfluoro-n-undecanoic acid	Perfluoro-n-hexanoic acid	2H-Perfluoro-2-decenoic acid
Perfluoro-n-decanoic acid	Perfluorobutane-1-sulfonic acid	2H,2H,3H,3H-Perfluorodecanoic acid
Perfluorooctane-1-sulfonic acid	Perfluoro-n-pentanoic acid	2H-Perfluoro-2-octenoic acid
Perfluoro-n-nonanoic acid	Perfluoro-n-butanoic acid	Perfluoro-4-ethylcyclohexane sulfonic acid

ASTM D7979 PFAS Substances in Water, Sludge, Influent, Effluent, and Wastewater by LC-MS/MS

PFAS in Wastewater Standard

D-7979

2 µg/mL each in MeOH

1 mL

21 comps.

Potassium perfluoro-1-butanedisulfonate	Perfluoro-n-octanoic acid	2H,2H,3H,3H-Perfluorodecanoic acid
Potassium perfluoro-1-hexanedisulfonate	Perfluoro-n-nonanoic acid	2H-Perfluoro-2-decenoic acid
Perfluorooctane-1-sulfonic acid	Perfluoro-n-decanoic acid	2H,2H-Perfluorododecanoic acid
Perfluoro-n-butanoic acid	Perfluoro-n-undecanoic acid	2H,2H-Perfluorodecanoic acid
Perfluoro-n-pentanoic acid	Perfluoro-n-dodecanoic acid	2H-Perfluoro-2-octenoic acid
Perfluoro-n-hexanoic acid	Perfluoro-n-tridecanoic acid	2H,2H-Perfluorooctanoic acid
Perfluoro-n-heptanoic acid	Perfluoro-n-tetradecanoic acid	Perfluoro-4-ethylcyclohexane sulfonic acid

ASTM D8421 PFAS / PFOA in Aqueous Matrices by LC-MS/MS

ASTM Test Method D8421 is for the determination of PFAS in aqueous matrices by co-solvation and using LC-MS/MS technique. These target spike standards include 44 native PFAS listed in the test method at a varied concentration.

Native PFAS/PFOA Target Spike 1 Standard

D-8421-TS-1

2 µg/mL in each in MeOH:Water (95:5)

1 mL

22 comps.

Perfluoro-n-tetradecanoic acid
Perfluoro-n-tridecanoic acid
Perfluoro-n-dodecanoic acid
Perfluoro-n-undecanoic acid
Perfluoro-n-decanoic acid
Perfluoro-n-nonanoic acid
Perfluoro-n-octanoic acid
Perfluoro-n-heptanoic acid
Perfluoro-n-hexanoic acid
Perfluorodecane-1-sulfonic acid
Perfluorononanesulfonic acid
Perfluorooctane-1-sulfonic acid
Perfluoroheptanesulfonic acid
Perfluorohexane-1-sulfonic acid
Perfluoropentanesulfonic acid
Perfluorobutane-1-sulfonic acid
Perfluorooctane sulfonamide
1H,1H,2H,2H-Perfluorodecanesulfonic acid
1H,1H,2H,2H-Perfluorooctane sulfonic acid
1H,1H,2H,2H-Perfluorohexanesulfonic acid
N-ethylperfluoro-1-octanesulfonamidoacetic acid
N-methylperfluoro-1-octanesulfonamidoacetic acid

PFAS/PFOA Target Spike 2 Standard

D-8421-TS-2

2 µg/mL each in MeOH:Water (95:5)

1 mL

19 comps.

Perfluorododecanesulfonic acid
N-Methylperfluoro-1-octanesulfonamide
Sulfuramide
N-Methylperfluorooctanesulfonamidoethanol
N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulphonamide
Perfluoro(2-methyl-3-oxahexanoic) acid
4,8-Dioxo-3H-perfluorononanoic acid
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid
Nonafuoro-3,6-dioxaheptanoic acid
Perfluoro(2-ethoxyethane)sulphonic acid
Perfluoro-3-methoxypropanoic acid
Perfluoro(4-methoxybutanoic) acid
3-Perfluoropropyl propanoic acid
2H,2H,3H,3H-Perfluorooctanoic acid
2H,2H,3H,3H-Perfluorodecanoic acid
2H-Perfluoro-2-octenoic acid
2H-Perfluoro-2-decenoic acid
Bis(trifluoromethane)sulfonimide lithium salt

D8421 Native PFAS/PFOA Target Spike 3 Standard

D-8421-TS-3

10 µg/mL each in MeOH:Water (95:5)

1 mL

3 comps.

Perfluoro-n-pentanoic acid
Perfluoro-n-butanoic acid
2,2,3,3,3-Pentafluoropropionic acid

Technical Notes

PFAS compounds may exist in linear and branched forms, with each lot potentially having a different ratio. If both isomers are present, the ratio will be listed on the Certificate of Analysis. If no ratio appears, the standard contains only the linear isomer.

PFAS ASTM and ISO Methods

ASTM D8535 PFAS in Soil/Biosolids by LC-MS/MS

D8535 PFAS in Soil/Biosolids

Target Spike 1

D-8535-TS-1

2 µg/mL in each MeOH:Water (95:5)

1 mL

22 comps.

Perfluoro-n-tetradecanoic acid
Perfluoro-n-tridecanoic acid
Perfluoro-n-dodecanoic acid
Perfluoro-n-undecanoic acid
Perfluoro-n-decanoic acid
Perfluoro-n-nonanoic acid
Perfluoro-n-octanoic acid
Perfluoro-n-heptanoic acid
Perfluoro-n-hexanoic acid
Perfluorodecane-1-sulfonic acid
Perfluorononanesulfonic acid
Perfluorooctane-1-sulfonic acid
Perfluoroheptanesulfonic acid
Perfluorohexane-1-sulfonic acid
Perfluoropentanesulfonic acid
Perfluorobutane-1-sulfonic acid
Perfluorooctane sulfonamide
1H,1H,2H,2H-Perfluorodecanesulfonic acid
1H,1H,2H,2H-Perfluorooctane sulfonic acid
1H,1H,2H,2H-Perfluorohexanesulfonic acid
N-ethylperfluoro-1-octanesulfonamidoacetic acid
N-methylperfluoro-1-octanesulfonamidoacetic acid

D8535 PFAS in Soil/Biosolids

Target Spike 2

D-8535-TS-2

2 µg/mL in each MeOH:Water (95:5)

1 mL

19 comps.

Perfluorododecanesulfonic acid
N-Methylperfluoro-1-octanesulfonamide
Sulfluramid
N-Methylperfluorooctanesulfonamidoethanol
N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulphonamide
Perfluoro(2-methyl-3-oxahexanoic) acid
4,8-Dioxa-3H-perfluorononanoic acid
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Nonafluoro-3,6-dioxaheptanoic acid
Perfluoro(2-ethoxyethane)sulphonic acid
Perfluoro-3-methoxypropanoic acid
Perfluoro(4-methoxybutanoic) acid
3-Perfluoropropyl propanoic acid
2H,2H,3H,3H-Perfluorooctanoic acid
2H,2H,3H,3H-Perfluorodecanoic acid
2H-Perfluoro-2-octenoic acid
2H-Perfluoro-2-decenoic acid
Bis(trifluoromethane)sulfonimide lithium salt

D8535 PFAS in Soil/ Biosolids Target Spike 3

D-8535-TS-3

10 µg/mL in each MeOH:Water (95:5)

1 mL

3 comps.

Perfluoro-n-pentanoic acid
Perfluoro-n-butanoic acid
2,2,3,3,3-Pentafluoropropionic acid

ASTM D8591 Determination of Fluorotelomer Alcohols (FTOHs) in Test Chamber Air by TD-GC-MS/MS

D8591 Fluorotelomer Alcohols Stock Solution

D-8591

500 µg/mL each in PT MeOH

1 mL

4 comps.

1H,1H,2H,2H-Perfluorohexan-1-ol (2-Perfluorobutyl ethanol)
1H,1H,2H,2H-Perfluorooctan-1-ol
1H,1H,2H,2H-Perfluoro-1-decanol
1H,1H,2H,2H-Perfluorododecan-1-ol

ISO 21675:2019 PFAS in Water by LC-MS/MS

This CRM supports the testing for PFAS in non-filtered water such as drinking water and waste water using LC-MS/MS and according to the International Standards. This ISO 21675 CRM includes the 30 native PFAS required by the test method.

Native PFAS Reference Standard

ISO21675-PFAS-SET

2 x 1 mL (ISO21675-PFAS-R1, PFOA-029S-0.02X)

ISO21675-PFAS-R1

2 µg/mL each in MeOH

1 mL

29 comps.

Perfluoro-n-butanoic acid	Perfluoro-n-tetradecanoic acid	Perfluorohexane-1-sulfonic acid
Perfluoro-n-pentanoic acid	Perfluorohexadecanoic acid	Perfluoroheptanesulfonic acid
Perfluoro-n-hexanoic acid	Perfluorooctane sulfonamide	Perfluorooctane-1-sulfonic acid
Perfluoro-n-heptanoic acid	N-Methylperfluoro-1-octanesulfonamide	Perfluorodecane-1-sulfonic acid
Perfluoro-n-octanoic acid	Sulfluramid	1H,1H,2H,2H-Perfluorooctane sulfonic acid
Perfluoro-n-nonanoic acid	N-methylperfluoro-1-octanesulfonamidoacetic acid	1H,1H,2H,2H-Perfluorodecanesulfonic acid
Perfluoro-n-decanoic acid	N-ethylperfluoro-1-octanesulfonamidoacetic acid	Sodium dodecafluoro-3H-4,8-dioxanonanoate
Perfluoro-n-undecanoic acid	2H-Perfluoro-2-decenoic acid	Potassium 9-chlorohexadecafluoro-3-oxanone-1-sulfonate
Perfluoro-n-dodecanoic acid	Perfluoro(2-methyl-3-oxahexanoic) acid	Bis[2-(perfluorooctyl)ethyl] phosphate
Perfluoro-n-tridecanoic acid	Perfluorobutane-1-sulfonic acid	

Perfluorooctadecanoic acid (PFODA)

PFOA-029S-0.02X

1 mL

2 µg/mL in MeOH

ISO 25101:2009 PFOS and PFOA in Water by LC-MS

PFOS and PFOA Reference Standard

ISO25101

10 µg/mL each in MeOH

1 mL

2 comps.

Perfluorooctane-1-sulfonic acid
Perfluoro-n-octanoic acid

Technical Note

Although PFOA and PFOS production has significantly been reduced in recent years, both compounds continue to contaminate water sources due to their environmental persistence. This CRM is offered to test for PFOA and PFOS in drinking water, ground water and surface water using (HPLC-MS/MS.)

AOAC and EN PFAS Methods

AOAC SMPR 2023.003 PFAS in Food

These CRMs encompass all targeted compounds in AOAC SMPR 2023.003 for PFAS contaminants commonly found in produce, beverages, dairy products, eggs and other food dietary products.

PFAS in Food Reference Standard 1

AOAC-PFAS-MIX-001

2 µg/mL each in ACN : MeOH (96:04)

1 mL

30 comps.

Perfluoro-n-butanoic acid	Perfluoro-n-tetradecanoic acid	Perfluorotridecanesulfonic acid
Perfluoro-n-pentanoic acid	Perfluorobutane-1-sulfonic acid	Perfluorooctane sulfonamide
Perfluoro-n-hexanoic acid	Perfluoropentanesulfonic acid	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid
Perfluoro-n-heptanoic acid	Perfluorohexane-1-sulfonic acid	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Perfluoro-n-octanoic acid	Perfluoroheptanesulfonic acid	Perfluoro(2-methyl-3-oxahexanoic) acid
Perfluoro-n-nonanoic acid	Perfluorooctane-1-sulfonic acid	4,8-Dioxa-3H-perfluorononanoic acid
Perfluoro-n-decanoic acid	Perfluorononanesulfonic acid	1H,1H,2H,2H-Perfluorohexanesulfonic acid
Perfluoro-n-undecanoic acid	Perfluorodecane-1-sulfonic acid	1H,1H,2H,2H-Perfluorooctane sulfonic acid
Perfluoro-n-dodecanoic acid	Perfluoroundecanesulfonic acid	1H,1H,2H,2H-Perfluorodecanesulfonic acid
Perfluoro-n-tridecanoic acid	Perfluorododecanesulfonic acid	1H,1H,2H,2H-Perfluorododecane sulfonic acid

PFAS in Food Reference Standard 3

AOAC-PFAS-MIX-003

2 µg/mL each in ACN : MeOH (96:04)

1 mL

2 comps.

Capstone A
Capstone B

PFAS in Food Reference Standard 4

AOAC-PFAS-MIX-004

2 µg/mL each in ACN : MeOH (96:04)

1 mL

4 comps.

1H,1H,2H,2H-Perfluorohexan-1-ol (2-Perfluorobutyl ethanol)
1H,1H,2H,2H-Perfluorooctan-1-ol
1H,1H,2H,2H-Perfluoro-1-decanol
1H,1H,2H,2H-Perfluorododecan-1-ol

PFAS in Food Reference Singles

Each in 100 µg/mL in ACN

Mono[2-(perfluorooctyl)ethyl] phosphate (8:2-MonoPAP)	PFAP-001S	1 mL
Bis[2-(perfluorohexyl)ethyl]phosphate (6:2-DiPAP)	PFAP-002S	1 mL
1H,1H,2H,2H-Perfluoro-1-decanol	PFAP-004S	1 mL
1H,1H,2H,2H-Perfluorododecan-1-ol	PFAS-001S	1 mL

AOAC 2023.003 PFAS in Food Set

AOAC-PFAS-SET

7 x 1 mL

AOAC-PFAS-MIX-001, AOAC-PFAS-MIX-003,
AOAC-PFAS-MIX-004, PFAP-001S, PFAP-002S,
PFAP-004S, PFAS-001S

EN 17892:2024 PFAS in Drinking Water

EN 17892:2024 PFAS in Drinking Water

EN-17892-PFAS

2 µg/mL each in ACN : MeOH (96:04)

1 mL

29 comps.

Perfluoro-n-butanoic acid	Perfluorobutane-1-sulfonic acid	1H,1H,2H,2H-Perfluorohexanesulfonic acid
Perfluoro-n-pentanoic acid	Perfluoropentanesulfonic acid	1H,1H,2H,2H-Perfluorooctane sulfonic acid
Perfluoro-n-hexanoic acid	Perfluorohexane-1-sulfonic acid	1H,1H,2H,2H-Perfluorodecanesulfonic acid
Perfluoro-n-heptanoic acid	Perfluoroheptanesulfonic acid	Perfluorooctane sulfonamide
Perfluoro-n-octanoic acid	Perfluorooctane-1-sulfonic acid	N-ethylperfluoro-1-octanesulfonamidoacetic acid
Perfluoro-n-nonanoic acid	Perfluorononanesulfonic acid	Perfluoro(2-methyl-3-oxahexanoic) acid
Perfluoro-n-decanoic acid	Perfluorodecane-1-sulfonic acid	4,8-Dioxa-3H-perfluorononanoic acid
Perfluoro-n-undecanoic acid	Perfluoroundecanesulfonic acid	Perfluoro-3-methoxypropanoic acid
Perfluoro-n-dodecanoic acid	Perfluorododecanesulfonic acid	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid
Perfluoro-n-tridecanoic acid	Perfluorotridecanesulfonic acid	

Other PFAS Methods

FDA Method C-010.02 & C-010.04 PFAS Reference Standard

Due to major health risks associated with exposure to PFAS, USFDA has developed test method C-010.02 for PFAS Testing in Processed Food. This method is intended to test for PFAS in different food matrices such as infant formula, bread and pancake syrup. This formulation includes all native PFAS compounds listed in the method to offer efficiency and confidence when testing for these chemicals.

FDA Method C-010.02 PFAS in Food

PFAS-FDA

2 µg/mL each in MeOH

1 mL

16 comps.

Perfluoro-n-butanoic acid
Perfluoro-n-pentanoic acid
Perfluoro-n-hexanoic acid
Perfluoro-n-heptanoic acid
Perfluoro-n-octanoic acid
Perfluoro-n-nonanoic acid

Perfluoro-n-decanoic acid
Perfluorobutane-1-sulfonic acid
Perfluoropentanesulfonic acid
Perfluorohexane-1-sulfonic acid
Perfluoroheptanesulfonic acid

Perfluorooctane-1-sulfonic acid
Ammonium perfluoro(2-methyl-3-oxahexanoate) (GenX)
Potassium 9-chlorohexadecafluoro-3-oxanone-1-sulfonate
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Sodium dodecafluoro-3H-4,8-dioxanonanoate

FDA Method C-010.03 PFAS in Food

PFAS-FDA-R1

2 µg/mL each in ACN : MeOH (96:04)

1 mL

30 comps

Perfluoro-n-butanoic acid
Perfluoro-n-pentanoic acid
Perfluoro-n-hexanoic acid
Perfluoro-n-heptanoic acid
Perfluoro-n-octanoic acid
Perfluoro-n-nonanoic acid
Perfluoro-n-decanoic acid
Perfluoro-n-undecanoic acid
Perfluoro-n-dodecanoic acid
Perfluoro-n-tridecanoic acid

Perfluoro-n-tetradecanoic acid
Perfluorobutane-1-sulfonic acid
Perfluoropentanesulfonic acid
Perfluorohexane-1-sulfonic acid
Perfluoroheptanesulfonic acid
Perfluorooctane-1-sulfonic acid
Perfluorononanesulfonic acid
Perfluorodecane-1-sulfonic acid
Perfluoroundecanesulfonic acid
Perfluorododecanesulfonic acid

Perfluorotridecanesulfonic acid
Perfluorooctane sulfonamide
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Perfluoro(2-methyl-3-oxahexanoic) acid
4,8-Dioxa-3H-perfluorononanoic acid
1H,1H,2H,2H-Perfluorohexanesulfonic acid
1H,1H,2H,2H-Perfluorooctane sulfonic acid
1H,1H,2H,2H-Perfluorodecanesulfonic acid
1H,1H,2H,2H-Perfluorododecane sulfonic acid

Massachusetts PFAS in Drinking Water Reference Standard

This PFAS CRM is formulated to include compounds published in the PFAS public drinking water standard by the Massachusetts DEP. Known as PFAS6, these compounds have been targeted due to its high abundance in drinking water sources in addition to the adverse health effects associated with its exposure.

Massachusetts PFAS Reference Standard

PFC-MA

2 µg/mL each in MeOH

1 mL

6 comps.

Perfluorooctane-1-sulfonic acid
Perfluoro-n-octanoic acid

Perfluorohexane-1-sulfonic acid
Perfluoro-n-nonanoic acid

Perfluoro-n-heptanoic acid
Perfluoro-n-decanoic acid

PFAS in Textiles

PFAS in Textiles Reference Standard

PFAS-TXTL-MIX-001

2 µg/mL each in ACN

1 mL

6 comps.

Perfluoro-n-dodecanoic acid
Perfluoro-n-decanoic acid

Perfluoro-n-tridecanoic acid
Perfluoro-n-tetradecanoic acid

Perfluoro-n-undecanoic acid
Perfluoro-n-nonanoic acid

Technical Notes

PFAS compounds may exist in linear and branched forms, with each lot potentially having a different ratio. If both isomers are present, the ratio will be listed on the Certificate of Analysis. If no ratio appears, the standard contains only the linear isomer.



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