

Per- and polyfluoroalkyl substances (PFAS)

Per- and polyfluoroalkyl substances (PFAS) are man-made chemicals that have been used in industry and consumer products worldwide since the 1950s.

PFAS can be found in:

- Food and beverages
- Commercial household products
- Industrial workplaces
- Environment (water, soil, waste)
- Living organisms

Studies showed that especially perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) can lead to adverse health outcomes in humans, especially as PFAS can accumulate and stay in the human body for long periods of time.

This is the reason that this group of substances is regulated (PFOS was included in Annex B of the Stockholm Convention on Persistent Organic Pollutants) and closely monitored worldwide.

Our reference material portfolio comprises neat material and solutions in analytical standard grade quality so you can ensure accurate PFAS analysis.

Current methods and norms

Geography	Methods/Norms	Matrix	Targeted PFAS	Detection
USA	EPA 533	Drinking water	25	LC/MS/MS
	EPA 537.1	Reagent water, drinking water	18	LC/MS/MS
	EPA SW-846 method 8327	Groundwater, surface water, wastewater	24	LC/MS/MS
Europe	ISO 25101:2009	Drinking water, ground water, surface water	2	LC/MS/MS
	ISO 21675:2019	Drinking water, natural water, waste water	30	LC/MS/MS

Product List

Cat. No.	Product	Format	Concentration /Matrix	Quality Grade	Pack Size
68808	Perfluorobutanoic acid	Neat		analytical standard	25 mg
68542	Perfluoropentanoic acid	Neat		analytical standard	25 mg
43809	Perfluorohexanoic acid	Neat		analytical standard	25 mg
33824	Perfluorooctanoic acid	Neat		analytical standard	100 mg
91977	Perfluorononanoic acid	Neat		analytical standard	50 mg
43929	Perfluorodecanoic acid	Neat		analytical standard	25 mg
92291	Perfluorododecanoic acid	Neat		analytical standard	50 mg
80312	Perfluorotetradecanoic acid	Neat		analytical standard	50 mg
33603	Pentadecafluorooctanoic acid	Solution	100 µg/mL in methanol	analytical standard	1 mL
33607	Heptadecafluorooctanoic acid	Solution	100 µg/mL in methanol	analytical standard	1 mL
33829	Perfluorooctane sulfonic acid	Neat		analytical standard	100 mg

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the U.S. and Canada.

© 2020 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. MilliporeSigma, the vibrant M, and Supelco are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources.

MS_FL5755EN Ver. 1.0 31184 04/2020

