GFS CHEMICALS®

VERITAS® ULTIMATE

PFAS Solvents

Precise and contaminant-free analyses

The analysis of PFAs (perfluoroalkyl and polyfluoroalkyl substances) is now a requirement in specific EPA regulations. Bioaccumulation of PFA compounds is suspected to lead to undesirable health outcomes, making it necessary to detect and quantify them in various matrices, including but not limited to, water, food, and soil. The blank requirements of these methods require very pure solvents, packaged appropriately, tested accurately.

A new range of high-purity solvents developed

In response to these new methods, GFS offers high-purity solvents developed specifically for the analysis of PFAS. These solvents have been manufactured and packaged to ensure the absence of perfluoroalkyl and polyfluoroalkyl compounds and analyzed using LC-MS/MS techniques, ensuring they are suitable for these methods.

Tested and analyzed

- Guarantee of reliable results, without false positives or negatives.
- Manufactured and purified to minimize background noise and interference.
- Free from PFAS compounds above the LCMRLs defined by the EPA
- Microfiltered to 0.1um
- EPA 533/537.1 tested

Product Description	Item #	CAS	Size
Acetonitrile, suitable for PFAS Analysis, Veritas Ultimate	27845	75-05-8	1L
Methanol, suitable for PFAS Analysis, Veritas Ultimate	27846	67-56-1	1L

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(U.S. and International) 740•881•5501

PFAS Acetonitrile, CAS [75-05-8]

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SPECIFICATIONS:

Assay (GC) 99.9 % Min
Water (KF) 0.01 % Max
Residue after evaporation 0.0001 % Max
Titrable acid 0.0002 meq/g Max
EPA533/537.1 methods: passes test

Aluminum (Al): 25 ppb Max
Barium (Ba): 5 ppb Max
Cadmium (Cd): 5 ppb Max
Calcium (Ca): 25 ppb Max
Chromium (Cr): 5 ppb Max
Cobalt (Co): 5 ppb Max
Copper (Cu): 5 ppb Max
Iron (Fe): 5 ppb Max
Lead (Pb): 5 ppb Max
Magnesium (Mg): 10 ppb Max
Manganese (Mn): 5 ppb Max
Nickel (Ni): 5 ppb Max
Potassium (K): 10 ppb Max
Silver (Ag): 5 ppb Max
Sodium (Na): 50 ppb Max
Tin (Sn): 5 ppb Max
Zinc (Zn): 5 ppb Max

Wavelength:	T (%)	A (AU)
195 nm:	80 %	0.097 AU
200 nm:	95 %	0.022 AU
210 nm:	97 %	0.013 AU
220 nm:	98 %	0.009 AU
230 nm:	99 %	0.004 AU

Gradient grade (210 nm) Maximum peak absorbance: 0.001 AU
Maximum background absorbance: 0.012 AU

Gradient grade (254 nm) Maximum peak absorbance: 0.0002 AU

UHPLC-MS test ESI+: Max. 5 ppb Reserpine
UHPLC-MS test ESI-: Max. 20 ppb Digoxin

Microfiltered, 0.1 µm pore diameter.