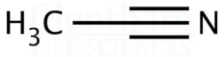
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PureSynth®
Research Chemicals

Product Specification

Product Name:
Acetonitrile Pur*Solv* Ultra Plus for LC-MS, tested for UHPLC-MS

Product No.:	PSR49124
Brand:	PureSynth
CAS No.:	75-05-8
Molecular Formula:	C_2H_3N
Molecular Weight:	41.05 g/mol



Test	Specification
Appearance	Colorless Liquid
Assay (By GC)	≥ 99.9%
Water (by KF)	NMT 0.01 %
Density	0.779 – 0.783 g/cm^3
Free acid (as CH_3COOH)	NMT 0.0002 meq/g
Identification by IR	Conforms to structure
Residue on Evaporation	NMT 0.0001 %
Aluminium (Al)	NMT 25.0 ppb
Barium (Ba)	NMT 5.0 ppb
Cadmium (Cd)	NMT 5.0 ppb
Calcium (Ca)	NMT 25.0 ppb
Chromium (Cr)	NMT 5.0 ppb
Cobalt (Co)	NMT 5.0 ppb
Copper (Cu)	NMT 5.0 ppb
Iron (Fe)	NMT 5.0 ppb
Lead (Pb)	NMT 5.0 ppb
Magnesium (Mg)	NMT 10.0 ppb
Manganese (Mn)	NMT 5.0 ppb
Nickel (Ni)	NMT 5.0 ppb
Potassium (K)	NMT 10.0 ppb
Silver (Ag)	NMT 5.0 ppb
Sodium (Na)	NMT 50.0 ppb
Tin (Sn)	NMT 5.0 ppb
Zinc (Zn)	NMT 5.0 ppb
Absorbance (@195 nm)	NMT 0.097 AU
Absorbance (@200 nm)	NMT 0.022 AU
Absorbance (@210 nm)	NMT 0.013 AU
Absorbance (@220 nm)	NMT 0.009 AU
Absorbance (@230 nm)	NMT 0.004 AU
UHPLC-gradient peak (254 nm)	NMT 0.002 AU

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.
For queries on this Specifications, please contact our technical team at technical@pure-synth.com

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UHPLC-gradient drift (210 nm)	NMT 0.012 AU
UHPLC-gradient peak (210 nm)	NMT 0.001 AU
Suitability for the UHPLC-MS	Complying
UHPLC-MS test ESI+ (Reserpin)	NMT 5 ppb
UHPLC-MS test ESI- (Digoxin)	NMT 20 ppb

Specification: PSUP-1.0-QA/01, Ver. No. 1.1, 26.09.2026.

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