

## Acetonitrile, ULC-MS

CH <sub>3</sub> CN	FW. 41.05	Density 1 L = 0.786 Kg.
CAS-No.	75-05-8	Melting Point - 45.7 °C
Code	UM1005	Boiling Point 81.6 °C

### Specifications

Assay (by GC.)	99.98%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0001	max.
Residue on Evaporation	0.0001%	max.
UV Transmission Levels (%T)		
230 nm	99%	min.
215 nm	98%	min.
200 nm	97%	min.
195 nm	85%	min.
190 nm	30%	min.
Gradient Specification		
at 210 nm	1.0	mAU max.
at 254 nm	0.3	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.3	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Bismuth (Bi)	10	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	20	ppb max.
Chromium (Cr)	5	ppb max.
Cobalt (Co)	5	ppb max.
Copper (Cu)	5	ppb max.
Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Lithium (Li)	10	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Molybdenum (Mo)	10	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Silver (Ag)	10	ppb max.
Sodium (Na)	20	ppb max.
Strontium (Sr)	10	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	5	ppb max.
Suitable for LC-MS (ESI negative as Reserpine)	20	ppb max.

Product passed through 0.03 micron final filter and bottled under inert gas.

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S-QC03-UM-S-0102 / RV.01 / Eff.date 01-08-22