

Acetonitrile, LC-MS

CH₃CN FW. 41.05
 CAS-No. 75-05-8
 Code LM1005

Density 1 L = 0.786 Kg.
 Melting Point - 45.7 °C
 Boiling Point 81.6 °C

Specifications

Assay (by GC.)	99.9%	min.
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0001%	max.
UV Transmission Levels (%T)		
230 nm	99%	min.
195 nm	85%	min.
190 nm	30%	min.
Gradient Specification		
at 210 nm	1.0	mAU max.
at 254 nm	0.5	mAU max.
Fluorescence (as quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	0.5	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	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.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Sodium (Na)	20	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.

TN_04-04-2012

S-QC03-LM-S-0102 / RV.00 / Eff.date 01-11-12