

Acetonitrile, Ultra Gradient for HPLC

CH ₃ CN	FW. 41.05	Density 1 L = 0.786 Kg.
CAS-No.	75-05-8	Melting Point - 45.7 °C
Code	SG1006	Boiling Point 81.6 °C

Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (as CH ₃ COOH)	0.001%	max.
Alkalinity (as NH ₃)	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.
191 nm	30%	min.
Gradient Specification : Highest Peak		
at 210 nm	1.0	mAU max.
at 254 nm	0.5	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	20	ppb max.
Barium (Ba)	50	ppb max.
Cadmium (Cd)	50	ppb max.
Calcium (Ca)	50	ppb max.
Chromium (Cr)	20	ppb max.
Cobalt (Co)	50	ppb max.
Copper (Cu)	20	ppb max.
Iron (Fe)	20	ppb max.
Lead (Pb)	20	ppb max.
Magnesium (Mg)	20	ppb max.
Manganese (Mn)	20	ppb max.
Nickel (Ni)	20	ppb max.
Potassium (K)	50	ppb max.
Sodium (Na)	100	ppb max.
Tin (Sn)	50	ppb max.
Zinc (Zn)	50	ppb max.

Suitable for HPLC, UPLC / UHPLC / Ultra HPLC - instruments.

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

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