

Acetonitrile

Grade: HPLC LC/MS meets ACS General Use requirements

Catalog number: 300HPLCMS

Test	Specification	Typical Result
Assay (by GC)	99.95% min.	99.99 %
Appearance	Clear and colorless liquid	Pass
Identity (IR)	Passes Test	Pass
Color (APHA)	5 max.	LT 5
Water (by Coulometry)	0.01% max.	0.008 %
Acidity (meq/g)	0.0002 max.	LT 0.0002 meq/g
Alkalinity (meq/g)	0.0001 max.	LT 0.0001 meq/g
Residue on Evaporation	0.0001% max.	LT 0.0001 %
UV Transmission Levels (%T) @ 230 nm	99% min.	99.9 %
UV Transmission Levels (%T) @ 215 nm	98% min.	99.1 %
UV Transmission Levels (%T) @ 200 nm	97% min.	98.3 %
UV Transmission Levels (%T) @ 195 nm	85% min.	88.2 %
UV Transmission Levels (%T) @ 190 nm	30% min.	33.8 %
Gradient Specification at 210 nm	1.0 mAU max.	0.3 AU
Gradient Specification at 254 nm	0.5 mAU max.	0.1 AU
Fluorescence (as quinine) at 254 nm	0.5 ppb max.	LT 0.5 ppb
Fluorescence (as quinine) at 365 nm	0.3 ppb max.	LT 0.3 ppb

Test	Specification	Typical Result
Aluminum (Al)	5 ppb max.	LT 5 ppb
Barium (Ba)	5 ppb max.	LT 5 ppb
Cadmium (Cd)	5 ppb max.	LT 5 ppb
Calcium (Ca)	20 ppb max.	LT 20 ppb
Chromium (Cr)	5 ppb max.	LT 5 ppb
Cobalt (Co)	5 ppb max.	LT 5 ppb
Copper (Cu)	5 ppb max.	LT 5 ppb
Iron (Fe)	10 ppb max.	LT 10 ppb
Lead (Pb)	5 ppb max.	LT 5 ppb
Magnesium (Mg)	5 ppb max.	LT 5 ppb
Manganese (Mn)	5 ppb max.	LT 5 ppb
Nickel (Ni)	5 ppb max.	LT 5 ppb
Potassium (K)	5 ppb max.	LT 5 ppb
Sodium (Na)	20 ppb max.	LT 20 ppb
Tin (Sn)	5 ppb max.	LT 5 ppb
Zinc (Zn)	5 ppb max.	LT 5 ppb
Suitable for LC-MS (ESI positive for Reserpine)	10 ppb max.	LT 10 ppb

Certification and Compliance Statements

This product complies with all of the abovementioned specifications. Suitable for HPLC, UPLC, UHPLC, Ultra HPLC and LC/MS applications.

This product is purified, distilled and 0.1 µm filtered. Product packaged under inert gas.

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