



PRODUCT SPECIFICATIONS SHEET

Product Name Acetonitrile
 Grade HPLC LC/MS Grade
 Catalog # 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.	0.007 %
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.	99.8 %
UV Transmission Levels (%T) @ 215 nm	98% min.	99.5 %
UV Transmission Levels (%T) @ 200 nm	97% min.	98.5 %
UV Transmission Levels (%T) @ 195 nm	85% min.	88.6 %
UV Transmission Levels (%T) @ 190 nm	30% min.	34.6 %
Gradient Specification at 210 nm	1.0 mAU max.	0.2 mAU
Gradient Specification at 254 nm	0.5 mAU max.	0.1 mAU
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
Aluminum (Al)	5 ppb max.	LT 5 ppb
Barium (Ba)	5 ppb max.	LT 5 ppb
Cadmium (Cd)	5 ppb max.	LT 5 ppb



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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 as Reserpine)	10 ppb max.	LT 10 ppb

Certification and Compliance Statements

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

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

This product is for further commercial manufacturing, laboratory, or research use. The suitability of this product for an application is the responsibility of the user.