

Certificate of Analysis

Product: Acetonitrile
Item Number: CANLCMS
Grade: LCMS
Lot Number: 5000607/1.1
Manufacture Date: 03/25/2024
Expiration Date: 03/24/2027
Country of Origin: United States

Tested Property	Specification	Analysis
Assay (by GC-FID)	NLT 99.90%	99.99%
Color Pt-Co	Max 5	LT 5
Fluorescence at emission for Impurities	Max.1 ppb @ 254nm	LT 1 ppb
GC-ECD Responsive residue	Max. 10 ppb as Heptachlorepoxyde	3 ppb
GC-FID Responsive residue (single peak)	Max. 5 ppb as 2-Octanol	LT 1 ppb
LC gradient elution suitability at 210 nm	Max. 5 mAU	0.3
LC gradient elution suitability at 254 nm	Max. 5 mAU	0.1 mAU
Potassium (K)	Max. 0.1 ppm	0.001 ppm
Silver (Ag)	Max. 0.1 ppm	LT 0.001 ppm
Aluminum (Al)	Max. 0.5 ppm	LT 0.001 ppm
Barium (Ba)	Max. 0.1 ppm	LT 0.001 ppm
Calcium (Ca)	Max. 0.1 ppm	0.001 ppm
Cadmium (Cd)	Max. 0.5 ppm	LT 0.001 ppm
Cobalt (Co)	Max. 0.02 ppm	LT 0.001 ppm
Chromium (Cr)	Max. 0.02 ppm	LT 0.001 ppm
Copper (Cu)	Max. 0.01 ppm	LT 0.001 ppm
Iron (Fe)	Max. 0.02 ppm	0.001
Magnesium (Mg)	Max. 0.01 ppm	LT 0.001 ppm
Manganese (Mn)	Max. 0.02 ppm	LT 0.001 ppm
Sodium (Na)	Max. 0.1 ppm	0.001 ppm

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Nickel (Ni)	Max. 0.5 ppm	LT 0.001 ppm
Lead (Pb)	Max. 0.1 ppm	LT 0.001 ppm
Tin (Sn)	Max. 0.1 ppm	LT 0.001 ppm
Zinc (Zn)	Max. 0.1 ppm	LT 0.001 ppm
LC-MS Negative Mode (as Nitrophenol)	Max. 50 ppb	LT 50 ppb
LC-MS Positive Mode (as Reserpine)	Max. 50 ppb	LT 50 ppb
UV Absorbance @190nm	Max. 1.00 AU	0.70
UV Absorbance @195nm	Max. 0.14 AU	0.10
UV Absorbance @200nm	Max. 0.05 AU	0.03
UV Absorbance @210nm	Max. 0.04 AU	0.02
UV Absorbance @220nm	Max. 0.02 AU	0.01
UV Absorbance @230nm	Max. 0.01AU	0.01
UV Absorbance @254nm	Max. 0.005 AU	0.003
UV Absorbance @400nm	Max. 0.005 AU	0.001

Acetonitrile

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