

Acetonitrile for LC-MS

[75-05-8] (CH₃CN)FW:41.05

Product code : 1930-5

Birch LC/MS Grade

Lot-P48205

TESTS	UNIT	SPECIFICATION	RESULTS
LC-MS Suitability			
ESI+ mode (as Reserpine)	ppb	Max. 50	<50
ESI- mode (as 4-Nitrophenol)	ppb	Max. 50	<50
Assay (by GC)	%	Min. 99.9	99.9
Color (APHA)		Max. 10	2
Water	%	Max. 0.01	0.001
Residue after evaporation	ppm	Max. 1	<1
Titration Acid	meq/g	Max. 0.008	0.0006
Titration Base	meq/g	Max. 0.0006	0.00001
UV Absorbance 195 nm		Max. 0.15	0.05
UV Absorbance 200 nm		Max. 0.05	0.01
UV Absorbance 205 nm		Max. 0.04	0.01
UV Absorbance 210 nm		Max. 0.02	0.011
UV Absorbance 220 nm		Max. 0.01	0.007
UV Absorbance 254 nm		Max. 0.005	0.003
UV Cutoff	nm	Max. 190	<190
Gradient Elution test			
- Largest eluted peak(254nm)	mAU	Max. 0.5	<0.5
- Largest eluted peak(210nm)	mAU	Max. 2	<2
Fluorescence Trace Impurities			
- at 450nm Emission	ppb	Max. 0.3	<0.3
- at Emission Maximum for impurities	ppb	Max. 0.5	<0.5
Metal impurities		To pass test	pass
Aluminium (Al)	ppb	Max. 25	<1
Barium (Ba)	ppb	Max. 5	<1
Cadmium (Cd)	ppb	Max. 5	<1

Mfg. Date : 2025-04-08

Exp. Date : 3 years after Mfg. Date

Test Method : ACS 11th Edition

Tested By : Kyung-wanHong

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 Quality Assurance Director

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Calcium (Ca)	ppb	Max. 25	<1
Chromium (Cr)	ppb	Max. 5	<1
Cobalt (Co)	ppb	Max. 5	<1
Copper (Cu)	ppb	Max. 5	<1
Iron (Fe)	ppb	Max. 5	<1
Lead (Pb)	ppb	Max. 5	<1
Magnesium (Mg)	ppb	Max. 25	<1
Manganese (Mn)	ppb	Max. 5	<1
Lithium (Li)	ppb	Max. 5	<1
Nickel (Ni)	ppb	Max. 5	<1
Potassium (K)	ppb	Max. 25	<1
Silver (Ag)	ppb	Max. 5	<1
Sodium (Na)	ppb	Max. 50	<1
Tin(Sn)	ppb	Max. 5	<1
Zinc (Zn)	ppb	Max. 5	<1
Filtered by 0.2um filter			

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