

# Methyl Alcohol for LC-MS

[67-56-1] ( CH<sub>3</sub>OH )FW:32.04

Product code : 1935-5

Birch LC/MS Grade

Lot-O44202

TESTS	UNIT	SPECIFICATION	RESULTS
LC-MS Suitability			
ESI+ mode (as Reserpine)		Max. 50	<50
ESI- mode (as 4-Nitrophenol)		Max. 50	<50
Assay (by GC)	%	Min. 99.9	99.9
Color (APHA)		Max. 10	2
Water	%	Max. 0.03	0.001
Residue after evaporation	ppm	Max. 1	<1
Titration Acid	meq/g	Max. 0.0003	0.0001
Titration Base	meq/g	Max. 0.0002	0.00003
UV Absorbance 220 nm		Max. 0.25	0.15
UV Absorbance 230 nm		Max. 0.15	0.07
UV Absorbance 254 nm		Max. 0.02	0.01
UV Absorbance 280 nm		Max. 0.01	0.001
Gradient Elution test			
- Largest eluted peak(254nm)	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			
Aluminium (Al)	ppb	Max. 25	<1
Iron (Fe)	ppb	Max. 5	<1
Heavy Metals (as 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

Mfg. Date : 2024-04-04  
 Exp. Date : 3 years after Mfg. Date  
 Test Method : ACS 11th Edition  
 Tested By : Jong-sun,Won

**DUKSAN PURE CHEMICALS CO., LTD**

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Quality Assurance Director

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TESTS	UNIT	SPECIFICATION	RESULTS
Barium (Ba)	ppb	Max. 5	<1
Cadmium (Cd)	ppb	Max. 5	<1
Calcium (Ca)	ppb	Max. 25	<1
Chromium (Cr)	ppb	Max. 5	<1
Cobalt (Co)	ppb	Max. 5	<1
Copper (Cu)	ppb	Max. 5	<1
Potassium (K)	ppb	Max. 25	<1
Silver (Ag)	ppb	Max. 5	<1
Sodium (Na)	ppb	Max. 50	<2
Tin(Sn)	ppb	Max. 5	<1
Filtered by 0.2um filter			

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