

Certificate of Analysis

Acetonitrile FOR GRADIENT

[75-05-8] (CH₃CN)FW:41.05

Product code : 1910-5

**Birch HPLC Grade
Lot-P4F208**

TESTS	UNIT	SPECIFICATION	RESULTS
UV Absorbance 195 nm		Max. 0.15	0.06
UV Absorbance 200 nm		Max. 0.05	0.02
UV Absorbance 205 nm		Max. 0.04	0.02
UV Absorbance 210 nm		Max. 0.02	0.013
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
Assay (by GC)	%	Min. 99.9	99.9
Color (APHA)		Max. 10	2
Water	%	Max. 0.01	0.006
Residue after evaporation	ppm	Max. 1	<1
Titrateable Acid	mEq/g	Max. 0.0008	0.0006
Titrateable Base	mEq/g	Max. 0.0006	0.00001
Filtered by 0.2um filter			

Mfg. Date : 2025-04-15
 Exp. Date : 3 years after Mfg. Date
 Test Method : ACS 11th Edition
 Tested By : Jong-sunWon

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