

Certificate of Analysis

Product: Acetonitrile
Grade: HPLC
Part No.'s: 1910-5
CAS No: 75-05-8

Lot:	M4S204
Mfg. Date:	2022-04-28
Exp. Date:	3 years after Mfg. Date

Manufactured by Duksan Pure Chemicals
 Meets ACS Specification

Ultraviolet Spectrophotometry Maximum UV Absorbance:

Wavelength	Unit	Specification (Max)	Results
195	nm	0.15	0.09
200	nm	0.05	0.03
205	nm	0.04	0.02
210	nm	0.02	0.017
220	nm	0.01	0.007
254	nm	0.005	0.002
UV Cutoff	nm	190	<190

LC Gradient Suitability

Gradient Elution Test	Unit	Specification (Max)	Results
Largest eluted peak (254nm)	mAU	0.5	<0.5
Largest eluted peak (210nm)	mAU	2	<2

Fluorescence Trace Impurities	Unit	Specification (Max)	Results
At 450nm Emission	ppb	0.3	<0.3
At Emission Maximum for Impurities	ppb	0.5	<0.5

Test	Unit	Specification	Results
Assay (by GC)	%	Min. 99.9	99.9
Color (APHA)		Max. 10	3
Water	%	Max. 0.01	0.001
Residue After Evaporation	ppm	Max. 1	<1
Titration Acid	mEq/g	Max. 0.0008	0.0006
Titration Base	mEq/g	Max. 0.0006	0.0001

Created by:
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