

## Certificate of Analysis

Date of Testing: 2022-05-06 10:47:35  
 Date of Next Testing: 2026-05-05 10:47:35  
 Product Name: **Acetonitrile**  
 CAS Number: 75-05-8  
 Specifications & Purity: for HPLC,  $\geq 99.9\%$   
 Lot #: D2230228  
 SKU #: **A104440**  
**Analysis: 084107**

Parameter	Limit Values	Result
HPLC-gradient/210 nm	0-5 (mAU)	3.00 mAU
Optical ABS at 190nm	0-1	0.69
Non-volatile matter	0-0.0002 (%)	0.00 %
Water by Karl Fischer	0-0.02 (%)	0.02 %
HPLC-gradient/254 nm	0-5 (mAU)	3.00 mAU
Optical ABS at 220nm	0-0.02	0.01
Optical ABS at 205nm	0-0.05	0.04
halogenated residue(as heptachlor epoxide)	0-10 (ng/L)	5.00 ng/L
free alkali (as NH <sub>3</sub> )	0-0.0001 (%)	0.00 %
Optical ABS at 254nm	0-0.01	0.00
Refractive index n <sub>20</sub> /D	1.343-1.346	1.34
Optical ABS at 210nm	0-0.04	0.02
baseline drift, (210 nm)	0-12 (mAU)	6.00 mAU
free acid (as CH <sub>3</sub> COOH)	0-0.001 (%)	0.00 %
Density (25°C)	0.775-0.78	0.78
Purity(GC)	99.9-100 (%)	99.95 %
Optical ABS at 200nm	0-0.07	0.07
Fluorescence (quinine) at 365 nm	0-0.5 (ppb)	0.36 ppb
Fluorescence (quinine) at 254 nm	0-0.5 (ppb)	0.42 ppb
Optical ABS at 195nm	0-0.15	0.14
Appearance (A104440)	Clear Colorless Liquid	Clear Colorless Liquid



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager