

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

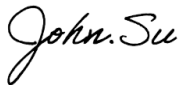
Date of Testing: 2023-06-08 14:55:04  
 Date of Next Testing: 2026-06-07 14:55:04  
 Product Name: **Acetonitrile**  
 CAS Number: 75-05-8  
 Specifications & Purity: for UHPLC, suitable for mass spectrometry (MS)  
 Lot #: F2301136  
 SKU #: **A433531**  
**Analysis: 227262**

Parameter	Limit Values	Result
Purity(GC)	99.92-100 (%)	99.99%
UV Absorbance 230nm	0-0.004	0.00
UV Absorbance 200nm	0-0.022	0.02
UV Absorbance 195nm	0-0.09	0.08
Water by Karl Fischer	0-0.01 (%)	0.01 %
Residue on Evaporation	0-0.0002 (%)	0.00 %
HPLC Absorbance 210 nm	0-0.9 (mAU)	0.00 mAU
HPLC Absorbance 254 nm	0-0.2 (mAU)	0.00 mAU
baseline drift, (210 nm)	0-10 (mAU)	0.00 mAU
Aluminum(Al)	0-20 (ppb)	18.60 ppb
Cadmium(Cd)	0-20 (ppb)	4.60 ppb
Calcium(Ca)	0-20 (ppb)	18.60 ppb
Chromium(Cr)	0-15 (ppb)	4.80000 ppb
Cobalt(Co)	0-15 (ppb)	4.95 ppb
Copper(Cu)	0-10 (ppb)	4.98 ppb
Iron(Fe)	0-20 (ppb)	4.98 ppb
Magnesium(Mg)	0-20 (ppb)	9.80 ppb
Manganese(Mn)	0-20 (ppb)	4.80 ppb
Nickel(Ni)	0-20 (ppb)	4.95 ppb
Potassium(K)	0-20 (ppb)	9.80 ppb
Silver (Ag)	0-20 (ppb)	4.95 ppb
Sodium(Na)	0-20 (ppb)	18.60 ppb
Stannum(Sn)	0-20 (ppb)	4.80 ppb
Zinc(Zn)	0-20 (ppb)	4.92 ppb
Benzene	0-0.09 (%)	0.08000 %
Propionitrile	0-0.1 (%)	0.09000 %
Fluorescence (quinine) at 254 nm	0-0.5 (ppb)	0.48 ppb

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Parameter	Limit Values	Result
Fluorescence (quinine) at 365 nm	0-0.5 (ppb)	0.39 ppb
Alkalinity (as NH <sub>3</sub> )	0-0.0001 (%)	0.00 %
Free Acid(as Acetic Acid)	0-0.001 (%)	0.00080 %
Appearance(A433531)	Clear,Colorless Liquid	Clear,Colorless Liquid
Infrared spectrum	Conforms to structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager