

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-20 15:31:19
 Date of Next Testing: 2028-02-20 15:31:19
 Product Name: **Acetonitrile(ACN)**
 CAS Number: 75-05-8
 Specifications & Purity: UltraPureChrom™, for UHPLC-MS
 Lot #: B2511479
 SKU #: **A433532**
 Version: **1**
 Analysis #: **473526**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	99.99 %
UV Absorbance 195nm	0-97 (mAU)	0.08 mAU
UV Absorbance 200nm	0-22 (mAU)	0.01 mAU
UV Absorbance 210nm	0-13 (mAU)	0.01 mAU
UV Absorbance 220nm	0-9 (mAU)	0.01 mAU
UV Absorbance 230nm	0-4 (mAU)	0.00 mAU
Transmission 200 nm	95-100 (%)	95.00 %
Transmission 220 nm	98-100 (%)	98.03000 %
Transmission 230 nm	99-100 (%)	99.00000 %
UHPLC-MS test ESI+ (Reserpin)	0-5 (ppb)	5.00 ppb
UHPLC-MS test ESI- (Digoxin)	0-20 (ppb)	20.00 ppb
Density(20°C/4°C)	0.779-0.783 (g/ml)	0.78230 g/ml
Water by Karl Fischer	0-0.01 (%)	0.01 %
Acidity	0-0.0002 (mg/g)	0.00017 mg/g
Iron(Fe)	0-0.02 (ppm)	0.01 ppm
Calcium(Ca)	0-0.1 (ppm)	0.03 ppm
Lead(Pb)	0-0.1 (ppm)	0.01 ppm
Barium(Ba)	0-0.02 (ppm)	0.01 ppm
Aluminum(Al)	0-0.05 (ppm)	0.03 ppm
Sodium(Na)	0-0.1 (ppm)	0.05 ppm
Nickel(Ni)	0-0.02 (ppm)	0.01 ppm
Cadmium(Cd)	0-0.02 (ppm)	0.01 ppm
Manganese(Mn)	0-0.02 (ppm)	0.01 ppm
Potassium(K)	0-0.1 (ppm)	0.01 ppm
Zinc(Zn)	0-0.1 (ppm)	0.01 ppm

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Parameter	Limit Values	Result
Copper(Cu)	0-0.02 (ppm)	0.01 ppm
Chromium(Cr)	0-0.02 (ppm)	0.01 ppm
Cobalt(Co)	0-0.02 (ppm)	0.01 ppm
Silver(Ag)	0-0.1 (ppm)	0.01 ppm
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager