

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-06 13:24:27  
 Date of Next Testing: 2026-11-05 13:24:27  
 Product Name: **2-Methylbutane**  
 CAS Number: 78-78-4  
 Specifications & Purity: UV/VIS spectroscopy Grade  
 Lot #: K2301321  
 SKU #: **M434186**  
**Analysis: 287325**  
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.80 %
Evaporation Residue	0-0.0005 (%)	0.00 %
Water by Karl Fischer	0-0.005 (%)	0.01 %
Fluorescence (quinine) at 254 nm	0-1 (ppb)	0.66 ppb
Fluorescence (quinine) at 365 nm	0-1 (ppb)	0.50 ppb
Transmission (at 190 nm)	50-100 (%)	55.68000 %
Transmission 200 nm	≥65 (%)	70.33 %
Transmission 210 nm	≥85 (%)	86.90 %
Transmission (at 215 nm)	≥90 (%)	91.87000 %
Transmission (from 240 nm)	98-100 (%)	98.90000 %
Absorbance (at 190 nm)	≤0.3	0.26000
UV Absorbance 200nm	≤0.19	0.19
UV Absorbance 210nm	0-0.07	0.07
UV Absorbance 215nm	0-0.05	0.05
Absorbance (from 240 nm)	≤0.01	0.01000
Acidity	0-0.0002 (eq/kg)	0.00020 eq/kg
Alkalinity Content	0-0.0002(eq/kg)	0.00020 eq/kg
Appearance(M434186)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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

John Su  
QA & QC Manager