

## Certificate of Analysis

Date of Testing: 2023-08-22 11:20:33  
 Date of Next Testing: 2027-08-21 11:20:33  
 Product Name: **Methanol**  
 CAS Number: 67-56-1  
 Specifications & Purity: Plus, for HPLC,  $\geq 99.9\%$   
 Lot #: H2310031  
 SKU #: **M116126**  
 Analysis: **281022**

Parameter	Limit Values	Result
UV Absorbance 250nm	0-0.02	0.01
HPLC Absorbance 254 nm	0-5 (mAU)	0.10 mAU
Color Test	0-10 (APHA)	10.00 APHA
Titrateable Acid	0-0.0003 (mg/g)	0.00 mg/g
UV Absorbance 400nm	0-0.005	0.00
Purity(GC)	99.9-100 (%)	99.99%
UV Absorbance 220nm	0-0.2	0.15
Fluorescence (quinine) at 254 nm	0-1 (ppb)	0.10 ppb
Fluorescence (quinine) at 365 nm	0-1 (ppb)	0.88 ppb
Water by Karl Fischer	0-0.05 (%)	0.00%
HPLC Absorbance 230 nm	0-2 (mAU)	1.88 mAU
UV Absorbance 210nm	0-0.8	0.47
UV Absorbance 205nm	0-1	0.65
UV Absorbance 230nm	0-0.1	0.07
Residue on Evaporation	0-0.0001 (%)	0.00%
Titrateable Base	0-0.0002 (mg/g)	0.00010 mg/g
Carbonyl (maximum) each of acetone, formaldehyde, and acetaldehyde	0-0.001 (%)	0.00045%
Appearance (M116126)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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