

Certificate of Analysis

Date of Testing: 2022-03-31 13:42:11
 Date of Next Testing: 2024-03-20 13:42:11
 Product Name: **Methanol**
 CAS Number: 67-56-1
 Specifications & Purity: for HPLC, $\geq 99.9\%$
 Lot #: C2230044
 SKU #: **M116118**
 Analysis: **085513**

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	99.99%
Titration Base	0-0.0002 (eq/kg)	0.00 eq/kg
UV Absorbance 210nm	0-0.8	0.42
HPLC Absorbance 254 nm	0-5 (mAU)	1.00 mAU
Titration Acid	0-0.0003 (eq/kg)	0.00 eq/kg
Water by Karl Fischer	0-0.05 (%)	0.00%
UV Absorbance 230nm	0-0.1	0.09
Carbonyl Compounds(each of CH ₃ COCH ₃ , CH ₂ O, and C ₂ H ₄ O)	0-0.001 (%)	0.00%
UV Absorbance 250nm	0-0.02	0.02
UV Absorbance 400nm	0-0.005	0.01
Refractive index n ₂₀ /D	1.327-1.333	1.33
UV Absorbance 220nm	0-0.2	0.20
HPLC Absorbance 230 nm	0-2 (mAU)	2.00 mAU
Evaporation Residue	0-0.0001 (%)	0.00%
UV Absorbance 205nm	0-1	0.98
Appearance (M116118)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
λ , H ₂ O reference	Pass	Pass



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