

## Certificate of Analysis

Date of Testing: 2022-07-15 13:34:12  
 Date of Next Testing: 2026-07-14 13:34:12  
 Product Name: **Methanol**  
 CAS Number: 67-56-1  
 Specifications & Purity: Plus, for HPLC,  $\geq 99.9\%$   
 Lot #: G2212071  
 SKU #: **M116126**  
**Analysis: 113538**

| Parameter  | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| UV Absorbance 250nm  | 0-0.02                | 0.02                  |
| HPLC Absorbance 254 nm   | 0-5 (mAU)             | 0.99 mAU              |
| Color Test   | 0-10 (APHA)           | 8.00 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                 | 0.17                  |
| Fluorescence (quinine) at 254 nm                                   | 0-1 (ppb)             | 0.90 ppb              |
| Fluorescence (quinine) at 365 nm                                   | 0-1 (ppb)             | 0.89 ppb              |
| Water by Karl Fischer  | 0-0.05 (%)            | 0.01%                 |
| HPLC Absorbance 230 nm   | 0-2 (mAU)             | 1.97 mAU              |
| UV Absorbance 210nm  | 0-0.8                 | 0.52                  |
| UV Absorbance 205nm  | 0-1                   | 0.62                  |
| UV Absorbance 230nm  | 0-0.1                 | 0.08                  |
| Residue on Evaporation   | 0-0.0001 (%)          | 0.00%                 |
| Titrateable Base   | 0-0.0002 (mg/g)       | 0.00020 mg/g          |
| Carbonyl (maximum) each of acetone, formaldehyde, and acetaldehyde | 0-0.001 (%)           | 0.00030%              |
| Appearance (M116126)   | 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