

## Certificate of Analysis

Date of Testing: 2022-08-23 18:33:49

Date of Next Testing: 2026-08-22 18:33:49

Product Name: **Methanol**

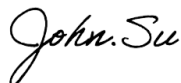
CAS Number: 67-56-1

Specifications &amp; Purity: ACS

Lot #: H2218550

SKU #: **M116121****Analysis: 128102**

| Parameter                   | Limit Values          | Result                |
|-----------------------------|-----------------------|-----------------------|
| Purity(GC)                  | 99.8-100 (%)          | 99.91%                |
| Water by Karl Fischer       | 0-0.1 (%)             | 0.01%                 |
| Evaporation Residue         | 0-0.001 (%)           | 0.00%                 |
| Color Test                  | 0-10                  | 0.00                  |
| Titration Acid              | 0-0.0003 (meq/g)      | 0.00010 meq/g         |
| Titration Base              | 0-0.0002 (meq/g)      | 0.00000 meq/g         |
| Appearance (M116121)        | Colorless Liquid      | Colorless liquid      |
| Carbonyl                    | Pass                  | Pass                  |
| Infrared spectrum           | Conforms to Structure | Conforms to Structure |
| Solubility                  | pass                  | Pass                  |
| Substance darkened by H2SO4 | Pass                  | Pass                  |
| Substances reducing MnO4    | Pass                  | Pass                  |

John Su  
QA & QC Manager