

## Certificate of Analysis

Date of Testing: 2024-07-02 14:35:21  
Date of Next Testing: 2028-07-01 14:35:21  
Product Name: **Methanol**  
CAS Number: 67-56-1  
Specifications & Purity: 99.5%  
Lot #: F2425034  
SKU #: **M116115**  
Version: **5**  
Analysis #: **378399**

| Parameter                                     | Limit Values      | Result           |
|---|-------------------|------------------|
| Acidity(as H <sup>+</sup> )                   | 0-0.4 (μmol/g)    | 0.00000 μmol/g   |
| alkalinity(as OH <sup>-</sup> )               | 0-0.08 (μmol/g)   | 0.00000 μmol/g   |
| Refractive index n <sub>20</sub> /D           | 1.327-1.333       | 1.32880          |
| Density (20°C)                                | 0.791-0.793(g/ml) | 0.79260 g/ml     |
| Water by Karl Fischer Assay                   | 0-0.1 (%)         | 0.00800 %        |
| Evaporation Residue                           | 99.5-100 (%)      | 99.88300 %       |
| Carbonyl Compounds(as Propional dehyde)       | 0-0.001 (%)       | 0.00000 %        |
| Potassium permanganate reducing substances(O) | 0-0.005 (%)       | 0.00000 %        |
| Appearance (M116115)                          | 0-0.0005 (%)      | 0.00000 %        |
| Readily carbonizable substance                | Colorless Liquid  | Colorless liquid |
| Miscibility with water                        | Pass              | Pass             |
|   | Pass              | Pass             |



John Su  
QA & QC Manager