

## Certificate of Analysis

Date of Testing: 2022-08-16 10:09:08  
Date of Next Testing: 2026-08-15 10:09:08  
Product Name: **Methanol**  
CAS Number: 67-56-1  
Specifications & Purity: Analytical Reagent,99.5%  
Lot #: H2212421  
SKU #: **M116115**  
Analysis: **117803**

Parameter	Limit Values	Result
Acidity(as H <sup>+</sup> )	0-0.4 (μmol/g)	0.00 μmol/g
alkalinity(as OH <sup>-</sup> )	0-0.08 (μmol/g)	0.00 μmol/g
Refractive index n <sub>20</sub> /D	1.327-1.333	1.33
Density (20°C)	0.791-0.793 (g/ml)	0.79 g/ml
Water by Karl Fischer	0-0.1 (%)	0.08 %
Assay	99.5-100(%)	99.87 %
Evaporation Residue	0-0.001 (%)	0.00 %
Carbonyl compounds	0-0.005 (%)	0.00 %
Potassium permanganate reducing substances(O)	0-0.0005 (%)	0.00 %
Appearance (M116115)	Colorless liquid	Colorless liquid
Readily carbonizable substance	pass	Pass
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager