

## Certificate of Analysis

Date of Testing: 2022-12-13 14:53:44  
Date of Next Testing: 2024-12-02 14:53:44  
Product Name: **Ethyl acetoacetate**  
CAS Number: 141-97-9  
Specifications & Purity: >99.0%(GC)  
Lot #: C2111212  
SKU #: **E103939**  
Analysis: **167301**

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.22 %
Density (20°C)	1.027-1.032	1.03
ethanol(GC)	0-0.2 (%)	0.10 %
Refractive index n <sub>20</sub> /D	1.418-1.421	1.42
Water by Karl Fischer	0-0.1 (%)	0.03 %
Appearance (E103939)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager