

## Certificate of Analysis

Date of Testing: 2022-05-17 15:56:34  
Date of Next Testing: 2024-05-06 15:56:34  
Product Name: **1-Methylimidazole**  
CAS Number: 616-47-7  
Specifications & Purity: 99%  
Lot #: E2212036  
SKU #: **M109227**  
**Analysis:** **083949**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-2 (%)	0.04 %
Refractive index n <sub>20</sub> /D	1.492-1.498	1.50
Purity(GC)	99-100 (%)	99.48 %
Density (20°C)	1.036-1.039	1.04
Appearance (M109227)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager