

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-18 13:47:31  
Date of Next Testing: 2027-07-17 13:47:31  
Product Name: **4-Methylimidazole**  
CAS Number: 822-36-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: F2330833  
SKU #: **M112296**  
Version: **0**  
Analysis #: **159855**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	52-56 (°C)	52.71000 °C
Water by Karl Fischer	0-2 (%)	0.61 %
Purity(GC)	98-100 (%)	99.43 %
Appearance (M112296)	White to Yellow Crystals to Powder and/or Chunks	White to Yellow Crystals to Powder and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Yellow, Clear, 5%	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager