

## Certificate of Analysis

Date of Testing: 2022-09-09 10:02:41  
Date of Next Testing: 2026-09-08 10:02:41  
Product Name: **1-Methyl-3-nitroguanidine**  
CAS Number: 4245-76-5  
Specifications & Purity: 98%(~25%water)  
Lot #: I2201572  
SKU #: **M102350**  
Analysis: **106811**

Parameter	Limit Values	Result
Melting point	158-162 (°C)	161.05000 °C
Loss on drying	0-5 (%)	3.60 %
Purity(NonaqueousTitration)(As drybase)	98-102 (%)	98.01 %
Appearance (M102350)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H2O , very faint turbidity	pass	Pass



John Su  
QA & QC Manager