

## Certificate of Analysis

Date of Testing: 2022-01-25 13:23:55  
Date of Next Testing: 2024-01-25 13:23:55  
Product Name: **Dimethyl 4,5-imidazoledicarboxylate**  
CAS Number: 3304-70-9  
Specifications & Purity:  $\geq 97\%$   
Lot #: F2325480  
SKU #: **D138682**  
Analysis: **070084**

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.71500 %
Purity(Neutralization titration)	96.5-103.5 (%)	99.00 %
Appearance (D138682)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H2O	almost transparency	almost transparency



John Su  
QA & QC Manager