

## Certificate of Analysis

Date of Testing: 2023-12-19 09:20:57  
Date of Next Testing: 2025-12-08 09:20:57  
Product Name: **1,2-Dimethyl-3-propylimidazolium Iodide**  
CAS Number: 218151-78-1  
Specifications & Purity: 98%  
Lot #: L2315016  
SKU #: **D119483**  
Version: **0**  
Analysis #: **104012**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis (anhydrous)	10.1-10.8 (%)	10.41 %
Carbon by Elemental Analysis(anhydrous)	35-36.1 (%)	35.02 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	100.20 %
Purity(HPLC)	98-100 (%)	98.06000 %
Appearance (D119483)	White to yellow powder or crystals	White to yellow powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager