

## Certificate of Analysis

Date of Testing: 2024-12-12 14:38:18  
Date of Next Testing: 2028-12-11 14:38:18  
Product Name: **1-Ethyl-3-methylimidazolium Hydrogen Sulfate**  
CAS Number: 412009-61-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: A2128132  
SKU #: **E121210**  
Version: **1**  
Analysis #: **448324**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.371-1.377	1.37
Refractive index n <sub>20</sub> /D	1.496-1.5	1.50
Purity( total nitrogen )	98-100 (%)	98.20%
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager