

## Certificate of Analysis

Date of Testing: 2024-03-26 13:55:23  
Date of Next Testing: 2028-03-25 13:55:23  
Product Name: **1-Butyl-3-methylimidazolium hydrogen sulfate**  
CAS Number: 262297-13-2  
Specifications & Purity: 95%  
Lot #: C2405227  
SKU #: **B101514**  
**Analysis:** **315974**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Halides (as Chloride)	0-1 (%)	0.32 %
Purity(HPLC)	95-100 (%)	99.57300 %
Water by Karl Fischer	0-1 (%)	0.01 %
Appearance (B101514)	Colorless to light yellow or brown Liquid or solid	Colorless to light yellow or brown Liquid or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager