

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-26 15:03:16

Date of Next Testing: 2025-06-15 15:03:16

Product Name: **1-Butyl-3-methylimidazolium tetrafluoroborate (BMIMBF₄)**

CAS Number: 174501-65-6

Specifications & Purity: ≥97%

Lot #: L1903121

SKU #: **B107645**

Version: **1**

Analysis #: **240582**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.204-1.209	1.20600
Water by Karl Fischer	0-1 (%)	0.34150 %
Refractive index n _{20/D}	1.421-1.425	1.42310
Purity(HPLC)	97-100 (%)	97.06000 %
Appearance (B107645)	Colorless to Yellow, Brown Liquid or Viscous Liquid	Colorless to Yellow, Brown Liquid or Viscous Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager