

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-20 16:13:05

Date of Next Testing: 2026-01-19 16:13:05

Product Name: **1-Ethyl-3-methylimidazolium tetrafluoroborate (EMIMBF₄)**

CAS Number: 143314-16-3

Specifications & Purity: ≥98%

Lot #: A2218427

SKU # **E120493**

Version **2**

Analysis #: **062602**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.28-1.296	1.28610
Water by Karl Fischer	0-0.5 (%)	0.03290 %
Refractive index n ₂₀ /D	1.405-1.422	1.41280
Purity(with Total Nitrogen)	98-100 (%)	98.01000 %
Appearance (E120493)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager