

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-13 16:49:16

Date of Next Testing: 2028-04-12 16:49:16

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

CAS Number: 143314-16-3

Specifications & Purity: ≥98%

Lot #: D2407306

SKU #: **E120493**

Version: **2**

Analysis #: **330617**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.28-1.296	1.28520
Refractive index n ₂₀ /D	1.405-1.422	1.41380
Purity(HPLC area)	98-100 (%)	99.51000 %
Water by Karl Fischer	0-0.5 (%)	0.41000 %
Appearance (E120493)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager