

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-31 10:35:42
 Date of Next Testing: 2027-10-30 10:35:42
 Product Name: **1-Ethyl-3-methylimidazolium tetrafluoroborate (EMIMBF₄)**
 CAS Number: 143314-16-3
 Specifications & Purity: ≥98%
 Lot #: J2323261
 SKU #: **E120493**
 Version: **2**
 Analysis #: **290838**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.28-1.296	1.28000
Water by Karl Fischer	0-0.5 (%)	0.15130 %
Refractive index n ₂₀ /D	1.405-1.422	1.42094
Purity(HPLC area)	98-100 (%)	99.92000 %
Appearance (E120493)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager