

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-14 17:27:00

Date of Next Testing: 2029-05-13 17:27:00

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

CAS Number: 143314-16-3

Specifications & Purity: ≥98%

Lot #: E2506092

SKU #: **E120493**

Version: **2**

Analysis #: **500848**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.13 %
Refractive index n _{20/D}	1.405-1.422	1.41
Purity(HPLC area)	98-100 (%)	99.46 %
Appearance (E120493)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager