

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-28 18:21:17

Date of Next Testing: 2027-06-27 18:21:17

Product Name: **1-Ethyl-3-methylimidazolium tetrafluoroborate**

CAS Number: 143314-16-3

Specifications & Purity: $\geq 97\%$

Lot #: F2327353

SKU #: **E106224**

Version: **1**

Analysis #: **245762**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.405-1.422	1.40880
Purity (Titration by NaOH)	96.5-103.5 (%)	99.43300 %
Density (20°C)	1.28-1.296	1.29200
Nitrogen by Elemental Analysis	13.2-14.7 (%)	14.20000 %
Carbon by Elemental Analysis	34.7-36.9 (%)	36.50000 %
Appearance (E106224)	colorless to brown liquid	colorless to brown liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager