

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-15 16:51:26

Date of Next Testing: 2027-03-14 16:51:26

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

CAS Number: 143314-16-3

Specifications & Purity: $\geq 97\%$

Lot #: C23101268

SKU #: **E106224**

Version: **1**

Analysis #: **192554**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.405-1.422	1.41890
Purity (Titration by NaOH)	96.5-103.5 (%)	98.80000 %
Density (20°C)	1.28-1.296	1.28600
Nitrogen by Elemental Analysis	13.2-14.7 (%)	13.90600 %
Carbon by Elemental Analysis	34.7-36.9 (%)	35.10000 %
Appearance (E106224)	colorless to brown liquid	colorless to brown liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager