

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-28 18:22:20

Date of Next Testing: 2027-06-27 18:22:20

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

CAS Number: 143314-16-3

Specifications & Purity:  $\geq 97\%$

Lot #: F2327343

SKU #: **E106224**

Version: **1**

Analysis #: **245762**

Storage Temperature: Room temperature, Argon charged

| Parameter                           | Limit Values              | Result                    |
|-------------------------------------|---------------------------|---------------------------|
| Refractive index n <sub>20</sub> /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