

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-24 11:21:06  
 Date of Next Testing: 2028-08-23 11:21:06  
 Product Name: **1-Ethyl-3-methylimidazolium tetrafluoroborate**  
 CAS Number: 143314-16-3  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: H2414490  
 SKU #: **E106224**  
 Version: **1**  
 Analysis #: **404092**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                           | Limit Values              | Result                    |
|-------------------------------------|---------------------------|---------------------------|
| Refractive index n <sub>20</sub> /D | 1.405-1.422               | 1.40970                   |
| Purity(HPLC)                        | 97-100 (%)                | 99.26000 %                |
| Appearance (E106224)                | colorless to brown liquid | colorless to brown liquid |
| Proton NMR spectrum                 | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager