

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-11 11:49:57  
 Date of Next Testing: 2029-11-10 11:49:57  
 Product Name: **1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide(EMIMTFSI)**  
 CAS Number: 174899-82-2  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: K2503410  
 SKU #: **E101506**  
 Version: **0**  
 Analysis #: **594184**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Purity(HPLC)                        | 97-100 (%)                       | 97.71900 %                       |
| Water by Karl Fischer               | 0-0.5 (%)                        | 0.02190 %                        |
| Density (20°C)                      | 1.524-1.528                      | 1.52650                          |
| Refractive index n <sub>20</sub> /D | 1.422-1.426                      | 1.42450                          |
| Appearance (E101506)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum                 | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager