

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-15 15:08:37  
 Date of Next Testing: 2028-08-14 15:08:37  
 Product Name: **1-dodecyl-3-methylimidazolium chloride**  
 CAS Number: 114569-84-5  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: H2508343  
 SKU #: **D188991**  
 Version: **0**  
 Analysis #: **545693**  
 Storage Temperature: Room temperature

| Parameter                       | Limit Values                                             | Result                                                   |
|---------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Purity (Argentmetric Titration) | 98.5-101.5 (%)                                           | 101.43000 %                                              |
| Purity(HPLC)                    | 99-100 (%)                                               | 100.00000 %                                              |
| Appearance (D188991)            | White to Off-White to Brownish yellow Powder or Crystals | White to Off-White to Brownish yellow Powder or Crystals |
| Proton NMR spectrum             | Conforms to Structure                                    | Conforms to Structure                                    |



John Su  
QA & QC Manager