

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-08 14:01:09  
 Date of Next Testing: 2027-08-08 14:01:09  
 Product Name: **1-Butyl-3-Methylimidazolium (L)-Lactate**  
 CAS Number: 878132-20-8  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: J2111192  
 SKU #: **B304821**  
 Version: **1**  
 Analysis #: **396870**  
 Storage Temperature: Room temperature, Desiccated

| Parameter           | Limit Values                         | Result                               |
|---------------------|--------------------------------------|--------------------------------------|
| Purity(HPLC)        | 98-100 (%)                           | 98.04000 %                           |
| Water               | 0-2 (%)                              | 1.17700 %                            |
| Appearance(B304821) | Clear yellow to brown Viscous liquid | Clear yellow to brown Viscous liquid |
| Proton NMR spectrum | Conforms to structure                | Conforms to Structure                |



John Su  
QA & QC Manager