

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-04-22 14:42:23  
Date of Next Testing: 2025-04-21 14:42:23  
Product Name: **1-Butyl-1-methylpyrrolidinium trifluoromethanesulfonate**  
CAS Number: 367522-96-1  
Specifications & Purity: 95.0% (T)  
Lot #: C2226116  
SKU #: **B169944**  
**Analysis:** **077400**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.255-1.259	1.26
Purity( total nitrogen)	95-100 (%)	98.53 %
Refractive index n <sub>20</sub> /D	1.432-1.436	1.43
Appearance (B169944)	Colorless to light yellow or brown Liquid or solid	Colorless to light yellow or brown Liquid or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager