

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-31 19:04:32
 Date of Next Testing: 2027-03-30 19:04:32
 Product Name: **1-Butyl-1-methylpyrrolidinium Chloride (BMIMCl)**
 CAS Number: 479500-35-1
 Specifications & Purity: $\geq 99\%$
 Lot #: C2313494
 SKU #: **B121231**
 Version: **0**
 Analysis #: **095668**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	99-100.5 (%)	100.23000 %
Water by Karl Fischer	0-0.5 (%)	0.32000 %
Appearance (B121231)	White to brown powder,crystals and/or chunks	White to brown powder,crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager