

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-01 16:33:47
Date of Next Testing: 2025-08-31 16:33:47
Product Name: **1-decyl-3-methylimidazolium bromide**
CAS Number: 188589-32-4
Specifications & Purity: 98%
Lot #: H2211212
SKU #: **D189059**
Analysis: **094971**
Storage Temperature: Room temperature, Argon charged

| Parameter | Limit Values | Result |
|---|-------------------------------------|-------------------------------------|
| Density (20°C) | 1.13-1.134 | 1.13 |
| Refractive index n ₂₀ /D | 1.513-1.517 | 1.51 |
| Purity(Titration by AgNO ₃) | 97.5-102.5 (%) | 100.97 % |
| Appearance (D189059) | yellow to yello-red to brown liquid | yellow to yello-red to brown liquid |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager