

## Certificate of Analysis

Date of Testing: 2024-06-13 13:34:22  
Date of Next Testing: 2027-06-13 13:34:22  
Product Name: **1-decyl-3-methylimidazolium bromide**  
CAS Number: 188589-32-4  
Specifications & Purity: 98%  
Lot #: J1822066  
SKU #: **D189059**  
Version: **1**  
Analysis #: **367549**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.13-1.134	1.13
Refractive index n <sub>20</sub> /D	1.513-1.517	1.51
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	98.04%
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