

Certificate of Analysis

Date of Testing: 2024-07-05 13:37:16
Date of Next Testing: 2028-07-04 13:37:16
Product Name: **1-Butyl-3-methylimidazolium Trifluoromethanesulfonate**
CAS Number: 174899-66-2
Specifications & Purity: $\geq 97\%$
Lot #: F2428257
SKU #: **B111364**
Version: **0**
Analysis #: **381836**

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.437-1.442	1.44
Water by Karl Fischer	0-1 (%)	0.55 %
Density (20°C)	1.3-1.311	1.30
Purity(HPLC)	97-100 (%)	98.95200 %
Appearance (B111364)	colorless to brown liquid	colorless to brown liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager