

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-29 15:30:12

Date of Next Testing: 2027-05-28 15:30:12

Product Name: **1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate (EMIM Otf)**

CAS Number: 145022-44-2

Specifications & Purity: $\geq 98\%$

Lot #: E2323564

SKU #: **E101508**

Version: **3**

Analysis #: **193731**

Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.432-1.436	1.43460
Density (20°C)	1.388-1.394	1.39100
Purity(HPLC)	98-105 (%)	99.76700 %
Appearance (E101508)	Colorless to light yellow to brown liquid	Colorless to light yellow to brown liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager