

Certificate of Analysis

Date of Testing: 2023-10-31 10:51:11

Date of Next Testing: 2027-10-30 10:51:11

Product Name: **1-Ethyl-3-methylimidazolium tetrafluoroborate**

CAS Number: 143314-16-3

Specifications & Purity: 97%

Lot #: J2323257

SKU #: **E106224**

Analysis: **290841**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.405-1.422	1.42
Purity (Titration by NaOH)	96.5-103.5 (%)	99.92 %
Density (20°C)	1.28-1.296	1.28
Nitrogen by Elemental Analysis	13.2-14.7 (%)	13.80 %
Carbon by Elemental Analysis	34.7-36.9 (%)	35.90 %
Appearance (E106224)	colorless to brown liquid	colorless to brown liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager