

Certificate of Analysis

Date of Testing: 2023-03-09 14:35:00

Date of Next Testing: 2026-03-08 14:35:00

Product Name: **1-butyl-3-vinylimidazolium tetrafluoroborate**

CAS Number: 1033461-44-7

Specifications & Purity: $\geq 99\%$

Lot #: C23021062

SKU #: **M302109**

Version: **0**

Analysis #: **185566**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.77100 %
Appearance (M302109Form)	Liquid	Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (M302109Color)	Colorless to Pale yellow to Brownish Yellow	Colorless to Pale yellow to Brownish Yellow
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager