

## Certificate of Analysis

Date of Testing: 2024-08-10 17:05:44

Date of Next Testing: 2027-08-10 17:05:44

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

CAS Number: 1033461-44-7

Specifications & Purity:  $\geq 99\%$

Lot #: G2431383

SKU #: **M302109**

Version: **0**

Analysis #: **388469**

Storage Temperature: Room temperature, Desiccated

| Parameter                 | Limit Values                                | Result                                      |
|---------------------------|---------------------------------------------|---------------------------------------------|
| Purity(HPLC)              | 99-100 (%)                                  | 99.55800 %                                  |
| Appearance (M302109Color) | Colorless to Pale yellow to Brownish Yellow | Colorless to Pale yellow to Brownish Yellow |
| Appearance (M302109Form)  | Liquid                                      | Liquid                                      |
| Fluorine NMR Spectrum     | Conforms to Structure                       | Conforms to Structure                       |
| Proton NMR spectrum       | Conforms to Structure                       | Conforms to Structure                       |



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