

## Certificate of Analysis

Date of Testing: 2022-07-06 18:59:21

Date of Next Testing: 2025-07-05 18:59:21

Product Name: **Tetrafluoroboric acid-diethyl ether complex**

CAS Number: 67969-82-8

Specifications & Purity: 50-55% w/w HBF<sub>4</sub>

Lot #: G2201664

SKU #: **T189182**

**Analysis:** **099032**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                 | Limit Values                                              | Result                                                    |
|-------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Titration by NaOH (wt% HBF <sub>4</sub> ) | 50-55 (%)                                                 | 54.96 %                                                   |
| Appearance (T189182)                      | Colorless to light yellow to Yellow-Brown or Amber liquid | Colorless to light yellow to Yellow-Brown or Amber liquid |
| Proton NMR spectrum                       | Conforms to Structure                                     | Conforms to Structure                                     |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager