

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-05-05 15:46:37

Date of Next Testing: 2025-05-04 15:46:37

Product Name: **1-Boc-4-bromopyrazole**

CAS Number: 1150271-23-0

Specifications & Purity: 97%

Lot #: D2230031

SKU #: **B166128**

**Analysis:** **079375**

Storage Temperature: Store at 2-8°C

| Parameter            | Limit Values                               | Result                                     |
|----------------------|--------------------------------------------|--------------------------------------------|
| Purity(HPLC)         | 97-100 (%)                                 | 99.46100 %                                 |
| Melting point        | 48-52 (°C)                                 | 51.92000 °C                                |
| Appearance (B166128) | white to tan powder,crystals and/or chunks | white to tan powder,crystals and/or chunks |
| Proton NMR spectrum  | Conforms to Structure                      | Conforms to Structure                      |

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

John Su  
QA & QC Manager