

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-06 14:15:32

Date of Next Testing: 2024-12-05 14:15:32

Product Name: **3-Bromopyrazole**

CAS Number: 14521-80-3

Specifications & Purity:  $\geq 97\%$ 

Lot #: D1918117

SKU #: **B132639**

Version: **0**

Analysis #: **163470**

Storage Temperature: Store at -20°C

| Parameter                                        | Limit Values                       | Result                             |
|--------------------------------------------------|------------------------------------|------------------------------------|
| Purity(GC)                                       | 97-100 (%)                         | 97.96000 %                         |
| Purity(O2 AgNO3 titration with after combustion) | 96.5-103.5 (%)                     | 97.98000 %                         |
| Appearance (B132639)                             | White to yellow powder or crystals | White to yellow powder or crystals |
| Infrared spectrum                                | Conforms to Structure              | Conforms to Structure              |
| Proton NMR spectrum                              | Conforms to Structure              | Conforms to Structure              |



John Su  
QA & QC Manager