

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-05 11:07:19  
 Date of Next Testing: 2027-06-04 11:07:19  
 Product Name: **1-Bromo-3,5-difluorobenzene**  
 CAS Number: 461-96-1  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: E23251197  
 SKU #: **B123501**  
 Version: **1**  
 Analysis #: **215729**  
 Storage Temperature: Room temperature

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Purity(GC)                          | 98-100 (%)                       | 99.71400 %                       |
| Density (20°C)                      | 1.686-1.689                      | 1.68730                          |
| Refractive index n <sub>20</sub> /D | 1.498-1.501                      | 1.49960                          |
| Appearance (B123501)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Fluorine NMR Spectrum               | Conforms to structure            | Conforms to Structure            |
| NMR Spectrum 1H                     | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager