

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-11 14:20:26  
 Date of Next Testing: 2027-02-10 14:20:26  
 Product Name: **2-Bromo-5-nitrothiazole**  
 CAS Number: 3034-48-8  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: B2304832  
 SKU #: **B124453**  
 Version: **1**  
 Analysis #: **170295**  
 Storage Temperature: Room temperature

| Parameter                      | Limit Values                                 | Result                                       |
|--------------------------------|----------------------------------------------|----------------------------------------------|
| Nitrogen by Elemental Analysis | 13-13.7 (%)                                  | 13.36200 %                                   |
| Purity(GC)                     | 98-100 (%)                                   | 98.00700 %                                   |
| Melting point                  | 83-91 (°C)                                   | 88.78000 °C                                  |
| Carbon by Elemental Analysis   | 16.8-17.7 (%)                                | 17.28500 %                                   |
| Appearance (B124453)           | Yellow to Orange to Brown Powder or Crystals | Yellow to Orange to Brown Powder or Crystals |
| NMR Spectrum 1H                | Conforms to Structure                        | Conforms to Structure                        |



John Su  
QA & QC Manager