

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-22 14:50:21  
 Date of Next Testing: 2026-03-12 14:50:21  
 Product Name: **3-Bromoquinoline**  
 CAS Number: 5332-24-1  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: H2021093  
 SKU #: **B113800**  
 Version: **1**  
 Analysis #: **327835**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values                                                | Result                                                      |
|------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Refractive index n <sub>20/D</sub> | 1.663-1.666                                                 | 1.66330                                                     |
| Purity(GC)                         | 98-100 (%)                                                  | 98.25900 %                                                  |
| Density (20°C)                     | 1.546-1.554                                                 | 1.55200                                                     |
| Appearance (B113800)               | White or Colorless to Yellow powder to lump to clear liquid | White or Colorless to Yellow powder to lump to clear liquid |
| Proton NMR spectrum                | Conforms to structure                                       | Conforms to Structure                                       |



John Su  
QA & QC Manager