

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-18 07:13:53  
 Date of Next Testing: 2025-03-07 07:13:53  
 Product Name: **4-Bromo-1H-imidazole**  
 CAS Number: 2302-25-2  
 Specifications & Purity: 97%  
 Lot #: C2313521  
 SKU #: **B119330**  
**Analysis: 202191**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	131-135 (°C)	133.72000 °C
Purity(GC)	97-100 (%)	98.98 %
Nitrogen by Elemental Analysis	18.4-19.7 (%)	18.90 %
Purity(Nonaqueous Titration)	97-100 (%)	97.16 %
Carbon by Elemental Analysis	23.6-25.4 (%)	24.20 %
Appearance (B119330)	White to Light yellow to Light orange powder to crystal	White to Light yellow to Light orange powder to crystal
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager