

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-29 09:14:48  
Date of Next Testing: 2027-03-28 09:14:48  
Product Name: **4-Bromo-9,9'-spirobi[9H-fluorene]**  
CAS Number: 1161009-88-6  
Specifications & Purity: >98.0%(HPLC)  
Lot #: C23161336  
SKU #: **B152109**  
**Analysis:** **204972**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	157-161 (°C)	159.84000 °C
Purity(HPLC)	98-100 (%)	98.73980 %
Appearance (B152109)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager