

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-17 16:33:41  
Date of Next Testing: 2027-07-16 16:33:41  
Product Name: **4-Bromo-9,9'-spirobi[9H-fluorene]**  
CAS Number: 1161009-88-6  
Specifications & Purity: >98.0%(HPLC)  
Lot #: G2311553  
SKU #: **B152109**  
**Analysis:** **214886**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	157-161 (°C)	157.40000 °C
Purity(HPLC)	98-100 (%)	99.59000 %
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