

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-14 10:45:29
Date of Next Testing: 2029-08-13 10:45:29
Product Name: **4,4'-Bis(N-carbazolyl)-1,1'-biphenyl**
CAS Number: 58328-31-7
Specifications & Purity: $\geq 98\%$
Lot #: J2123164
SKU #: **B113207**
Version: **0**
Analysis #: **553684**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	281-285 (°C)	282.67800 °C
Nitrogen by Elemental Analysis	5.4-6.1 (%)	5.41 %
Purity(HPLC)	98-100 (%)	98.31400 %
Carbon by Elemental Analysis	86.1-92.4 (%)	87.54 %
Appearance (B113207)	White to Off-White to brown Solid, Powder, Crystal	White to Off-White to brown Solid, Powder, Crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager