

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-23 10:43:33

Date of Next Testing: 2030-01-22 10:43:33

Product Name: **4,4'-Bis(N-carbazolyl)-1,1'-biphenyl**

CAS Number: 58328-31-7

Specifications & Purity: $\geq 98\%$

Lot #: C2223112

SKU #: **B113207**

Version: **0**

Analysis #: **643269**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	281-285 (°C)	281.40000 °C
Nitrogen by Elemental Analysis	5.4-6.1 (%)	5.60 %
Purity(HPLC)	98-100 (%)	98.32000 %
Carbon by Elemental Analysis	86.1-92.4 (%)	88.80 %
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