

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-24 19:17:07
 Date of Next Testing: 2026-03-23 19:17:07
 Product Name: 4,4'-Bis(N-carbazolyl)-1,1'-biphenyl
 CAS Number: 58328-31-7
 Specifications & Purity: ≥98%
 Lot #: C2223111
 SKU #: B113207
 Version: 0
 Analysis #: 074506
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	281-285 (°C)	281.49000 °C
Nitrogen by Elemental Analysis	5.4-6.1 (%)	5.63000 %
Purity(HPLC)	98-100 (%)	98.32100 %
Carbon by Elemental Analysis	86.1-92.4 (%)	88.83000 %
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