

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-22 16:52:39

Date of Next Testing: 2026-08-21 16:52:39

Product Name: 4,4'-Bis(3,6-di-tert-butyl-9H-carbazol-9-yl)-1,1'-biphenyl

CAS Number: 838862-47-8

Specifications & Purity:  $\geq 98\%$

Lot #: H2321360

SKU #: B292624

Version: 1

Analysis #: 258645

Storage Temperature: Room temperature

| Parameter           | Limit Values                                          | Result                                                |
|---------------------|-------------------------------------------------------|-------------------------------------------------------|
| Purity(HPLC area)   | 98-100 (%)                                            | 99.77100 %                                            |
| NMR Spectrum 1H     | Conforms to Structure                                 | Conforms to Structure                                 |
| Appearance(B292624) | White to Light yellow to Dark Grey Powder or Crystals | White to Light yellow to Dark Grey Powder or Crystals |



John Su  
QA & QC Manager