

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-04 14:31:50  
 Date of Next Testing: 2026-07-03 14:31:50  
 Product Name: **2,2',7,7'-Tetrakis[N,N-di(4-methoxyphenyl)amino]-9,9'-spirobifluorene**  
 CAS Number: 207739-72-8  
 Specifications & Purity:  $\geq 99.5\%$   
 Lot #: F2327885  
 SKU #: **T302755**  
 Version: **2**  
 Analysis #: **231351**  
 Storage Temperature: Store at 2-8°C

| Parameter                      | Limit Values                                            | Result                                                  |
|--------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Purity(HPLC)                   | 99.5-100 (%)                                            | 99.65900 %                                              |
| Nitrogen by Elemental Analysis | 4.45-4.68 (%)                                           | 4.64200 %                                               |
| Appearance(T302755)            | White to Faint Green to Faint Yellow Powder or Crystals | White to Faint Green to Faint Yellow Powder or Crystals |
| Proton NMR spectrum            | Conforms to structure                                   | Conforms to Structure                                   |



John Su  
QA & QC Manager