

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-06 10:41:22

Date of Next Testing: 2029-01-05 10:41:22

Product Name: N,N,N',N'-Tetraphenyl[1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diamine

CAS Number: 145898-89-1

Specifications & Purity: ≥98%

Lot #: C2309874

SKU #: T292628

Version: 1

Analysis #: 634529

Storage Temperature: Room temperature, Cool

| Parameter                   | Limit Values                                            | Result                                                  |
|-----------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Purity(HPLC area)           | 98-100 (%)                                              | 99.82000 %                                              |
| Purity(with Total Nitrogen) | 98-102.5 (%)                                            | 100.12800 %                                             |
| NMR Spectrum 1H             | Conforms to Structure                                   | Conforms to Structure                                   |
| Appearance(T292628)         | White to Off white to Orange to Green powder to crystal | White to off white to Orange to Green powder to crystal |



John Su  
QA & QC Manager