

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-17 17:41:22  
 Date of Next Testing: 2028-12-16 17:41:22  
 Product Name: **N,N,N',N'-Tetrakis(2-naphthyl)benzidine**  
 CAS Number: 141752-82-1  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: L2411074  
 SKU #: **T123013**  
 Version: **0**  
 Analysis #: **027187**  
 Storage Temperature: Room temperature

| Parameter                      | Limit Values                                         | Result                                               |
|--------------------------------|------------------------------------------------------|------------------------------------------------------|
| Nitrogen by Elemental Analysis | 3.6-4.6 (%)                                          | 3.90000 %                                            |
| Purity(HPLC)                   | 98-100 (%)                                           | 98.30200 %                                           |
| Appearance (T123013)           | White to Yellow to Grey or Green Powder/<br>Crystals | White to Yellow to Grey or Green Powder/<br>Crystals |
| Proton NMR spectrum            | Conforms to Structure                                | Conforms to Structure                                |



John Su  
QA & QC Manager