

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-18 12:36:34  
 Date of Next Testing: 2027-02-17 12:36:34  
 Product Name: **3,4'-ODA(3,4'-ODA)**  
 CAS Number: 2657-87-6  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: B2310950  
 SKU #: **O102219**  
 Version: **1**  
 Analysis #: **149280**  
 Storage Temperature: Protected from light, Room temperature

| Parameter                               | Limit Values                      | Result                            |
|-----------------------------------------|-----------------------------------|-----------------------------------|
| Purity(HPLC)                            | 97-100 (%)                        | 99.11200 %                        |
| Purity(Titration by HClO <sub>4</sub> ) | 96.5-103.5 (%)                    | 100.68690 %                       |
| Appearance (O102219)                    | white to brown crystals or powder | white to brown crystals or powder |
| Proton NMR spectrum                     | Conforms to Structure             | Conforms to Structure             |
| Infrared spectrum                       | Conforms to Structure             | Conforms to Structure             |



John Su  
QA & QC Manager