

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-05-07 16:05:06

Date of Next Testing: 2028-05-06 16:05:06

Product Name: **4,4'-Diaminodiphenyl ether (4,4'-ODA)**

CAS Number: 101-80-4

Specifications & Purity:  $\geq 98\%$

Lot #: D2418246

SKU #: **D104463**

Version **0**

**Analysis #:** **334230**

Storage Temperature: Protected from light, Room temperature

| Parameter                               | Limit Values                                  | Result                                        |
|-----------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(HPLC)                            | 98-100 (%)                                    | 99.80300 %                                    |
| Melting point                           | 190-194 (°C)                                  | 192.88000 °C                                  |
| Purity(Titration by HClO <sub>4</sub> ) | 97.5-102.5 (%)                                | 100.86000 %                                   |
| Appearance (D104463)                    | White to brown powder, crystals and/or chunks | White to brown powder, crystals and/or chunks |
| Proton NMR spectrum                     | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager