

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-03 11:56:57  
Date of Next Testing: 2027-04-02 11:56:57  
Product Name: **4,4'-Diaminodiphenyl ether (4,4'-ODA)**  
CAS Number: 101-80-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: C2323954  
SKU #: **D104463**  
Version: **0**  
Analysis #: **194899**  
Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.92100 %
Melting point	190-194 (°C)	193.66000 °C
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	99.60000 %
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