

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-14 10:07:41  
 Date of Next Testing: 2029-08-13 10:07:41  
 Product Name: 4,4'-(1,1'-Biphenyl-4,4'-diylldioxy)dianiline  
 CAS Number: 13080-85-8  
 Specifications & Purity: ≥97%  
 Lot #: J2123095  
 SKU #: B102222  
 Version: 0  
 Analysis #: 553673  
 Storage Temperature: Room temperature

| Parameter                  | Limit Values                                                     | Result                                                           |
|----------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Purity(HPLC)               | 97-100 (%)                                                       | 98.02050 %                                                       |
| Melting point              | 196-200 (°C)                                                     | 199.97800 °C                                                     |
| Purity(Titration by HClO4) | 96.5-103.5 (%)                                                   | 99.49600 %                                                       |
| Appearance (B102222)       | White to off-white to gray to red powder, crystals and/or Chunks | White to off-white to gray to red powder, crystals and/or Chunks |
| Infrared spectrum          | Conforms to Structure                                            | Conforms to Structure                                            |
| Solubility in AcOH         | almost transparency                                              | almost transparency                                              |



John Su  
QA & QC Manager