

## Certificate of Analysis

Date of Testing: 2025-01-13 13:50:09

Date of Next Testing: 2029-01-12 13:50:09

Product Name: **4,4'-(1,1'-Biphenyl-4,4'-diylldioxy)dianiline**

CAS Number: 13080-85-8

Specifications & Purity:  $\geq 97\%$

Lot #: A2509181

SKU # **B102222**

Version **0**

Analysis #: **351277**

| Parameter                               | Limit Values                                                     | Result                                                           |
|-----------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Melting point                           | 196-200 (°C)                                                     | 197.80000 °C                                                     |
| Purity(HPLC)                            | 97-100 (%)                                                       | 98.88700 %                                                       |
| Purity(Titration by HClO <sub>4</sub> ) | 96.5-103.5 (%)                                                   | 99.80 %                                                          |
| 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                                              |



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