

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-01 17:00:05  
Date of Next Testing: 2026-10-31 17:00:05  
Product Name: 4,4'-(1,1'-Biphenyl-4,4'-diylldioxy)dianiline  
CAS Number: 13080-85-8  
Specifications & Purity: 97%  
Lot #: J2229561  
SKU #: B102222  
Analysis: 136304

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.19800 %
Melting point	196-200 (°C)	199.06000 °C
Purity(Titration by HClO <sub>4</sub> )	96.5-103.5 (%)	100.68 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in AcOH	almost transparency	almost transparency
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



John Su  
QA & QC Manager