

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-15 13:41:25  
Date of Next Testing: 2026-03-14 13:41:25  
Product Name: **N,N'-Diphenyl-p-phenylenediamine**  
CAS Number: 74-31-7  
Specifications & Purity: 98%  
Lot #: C2212335  
SKU #: **D102501**  
**Analysis:** **083124**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.27800 %
Melting point	143-145 (°C)	143.80000 °C
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.54 %
Appearance (D102501)	White to Gray to Brown powder to lump	White to Gray to Brown powder to lump
Solubility in Toluene	almost transparency	almost transparency
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager