

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-24 17:53:21
 Date of Next Testing: 2028-09-23 17:53:21
 Product Name: **N,N'-Diphenyl-p-phenylenediamine**
 CAS Number: 74-31-7
 Specifications & Purity: $\geq 98\%$
 Lot #: I2413494
 SKU #: **D102501**
 Version: **2**
 Analysis #: **407094**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.73000 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	100.00000 %
Melting point	143-145 (°C)	144.95000 °C
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