

## Certificate of Analysis

Date of Testing: 2023-02-16 18:10:47  
Date of Next Testing: 2027-02-15 18:10:47  
Product Name: **N,N'-Di-2-naphthyl-1,4-phenylenediamine**  
CAS Number: 93-46-9  
Specifications & Purity: 96%  
Lot #: B2308819  
SKU #: **D121460**  
**Analysis: 164922**

Parameter	Limit Values	Result
Carbon by Elemental Analysis	82.9-86.8 (%)	85.98%
Nitrogen by Elemental Analysis	7.3-8 (%)	7.64%
Purity(HPLC)	96-100 (%)	97.91800%
Appearance (D121460)	White to Grey Powder	White to Grey Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager