

Certificate of Analysis

Date of Testing:	2023-08-12 12:00:18
Date of Next Testing:	2027-08-11 12:00:18
Product Name:	N,N'-Di(2-naphthyl)-N,N'-diphenyl-1,4-phenylenediamine
CAS Number:	139994-47-1
Specifications & Purity:	≥98%(HPLC)
Lot #:	L2413202
SKU #	N159566
Version	0
Analysis #:	259910

Parameter	Limit Values	Result
Melting point	192-196 (°C)	194.27000 °C
Purity(HPLC)	98-100 (%)	99.59900 %
Appearance (N159566)	white to light yellow solid	white to light yellow solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager