

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-21 16:07:40  
Date of Next Testing: 2026-03-20 16:07:40  
Product Name: **N,N'-Di(1-naphthyl)-N,N'-diphenyl-(1,1'-biphenyl)-4,4'-diamine**  
CAS Number: 123847-85-8  
Specifications & Purity: sublimed grade, 99%  
Lot #: C2215145  
SKU #: **N105656**  
**Analysis:** **069156**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Melting point	279-283 (°C)	281.91000 °C
Purity(HPLC)	98-100 (%)	99.71800 %
Appearance (N105656)	White to Yellow to Green powder to crystal	White to Yellow to Green powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager