

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-28 18:15:42
Date of Next Testing: 2027-02-27 18:15:42
Product Name: **N,N'-Diphenyl-N,N'-bis[4'-(diphenylamino)biphenyl-4-yl]benzidine**
CAS Number: 167218-46-4
Specifications & Purity: >98.0%(HPLC)(N)
Lot #: B23221141
SKU #: **N159569**
Analysis: **166978**

Parameter	Limit Values	Result
Melting point	239-243 (°C)	240.82000 °C
Purity(total nitrogen)	98-100 (%)	99.98 %
Purity(HPLC)	98-100 (%)	98.34600 %
Appearance(N159569)	White to Orange to Green powder to crystal	White to Orange to Green powder to crystal
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager