

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-22 16:10:49

Date of Next Testing: 2027-11-21 16:10:49

Product Name: **1,3-Bis(N-carbazolyl)benzene (mCP)**

CAS Number: 550378-78-4

Specifications & Purity: $\geq 98\%$

Lot #: K2317089

SKU # **B121604**

Version **0**

Analysis #: **291242**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	85.1-91.3 (%)	88.05000 %
Nitrogen by Elemental Analysis	6.6-7.1 (%)	6.90000 %
Purity(total nitrogen)	98-100 (%)	98.87000 %
Purity(HPLC)	98-100 (%)	98.51500 %
Melting point	182-186 (°C)	182.10000 °C
Appearance (B121604)	White to Tan Solid	White to Tan Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager