

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-19 11:25:10

Date of Next Testing: 2027-05-18 11:25:10

Product Name: **Diphenylcarbazine**

CAS Number: 140-22-7

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: E2305308

SKU #: **D111669**

Version: **1**

Analysis #: **225777**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	170-175 (°C)	173.41000 °C
Purity(HPLC)	98-100 (%)	99.05800 %
Ignition Residue (as sulfate)	0-0.05 (%)	0.03200 %
Appearance (D111669)	Off-White to Dark Orange Powder	Off-White to Dark Orange Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in Acetone	almost transparency	almost transparency
Solubility in EtOH , Faint Yellow to Orange, Clear, 20 mg/mL	pass	Pass
Suitability for chrome-analysis	pass	Pass



John Su
QA & QC Manager