

Certificate of Analysis

Date of Testing: 2022-02-24 12:55:48

Date of Next Testing: 2026-02-23 12:55:48

Product Name: **Diphenylcarbazine**

CAS Number: 140-22-7

Specifications & Purity: >98.0%(HPLC)

Lot #: B2222295

SKU #: **D111669**

Analysis: **061975**

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

Parameter	Limit Values	Result
Melting point	170-175 (°C)	172.04000 °C
Ignition Residue (as sulfate)	0-0.05 (%)	0.03 %
Purity(HPLC)	98-100 (%)	98.04200 %
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