

Certificate of Analysis

Date of Testing: 2025-06-20 09:27:59

Date of Next Testing: 2029-06-19 09:27:59

Product Name: **Diphenylcarbazine**

CAS Number: 140-22-7

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

Lot #: F2518511

SKU #: **D111669**

Version: **1**

Analysis #: **519601**

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

Parameter	Limit Values	Result
Melting point	170-176 (°C)	173.99000 °C
Purity(HPLC)	98-100 (%)	98.37400 %
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %
Appearance (D111669)	White to Off-White to Beige to Light Purple to Pink to Dark Orange Powder or Chunks	White to Off-White to Beige to Light Purple to Pink to Dark Orange Powder or Chunks
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