

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-28 16:38:12
 Date of Next Testing: 2027-07-27 16:38:12
 Product Name: **Diphenylcarbazine**
 CAS Number: 140-22-7
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: G2322294
 SKU #: **D111669**
 Version: **1**
 Analysis #: **251194**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	170-175 (°C)	174.50000 °C
Purity(HPLC)	98-100 (%)	98.82400 %
Ignition Residue (as sulfate)	0-0.05 (%)	0.02000 %
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
Appearance (D111669)	Off-White to Dark Orange Powder	Off-White to Dark Orange Powder



John Su
QA & QC Manager