

Certificate of Analysis

Date of Testing: 2024-10-14 11:52:37
Date of Next Testing: 2028-10-13 11:52:37
Product Name: **5-Nitro-1,10-phenanthroline**
CAS Number: 4199-88-6
Specifications & Purity: $\geq 98\%$
Lot #: B1301025
SKU #: **N119911**
Version: **0**
Analysis #: **419338**

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	98-100 (%)	98.00 %
Melting point	200-203 (°C)	200.30000 °C
Purity(HPLC)	98-100 (%)	98.70000 %
Appearance (N119911)	Yellow to Yellow-Green to Brown Powder and/or Chunks	Yellow to Yellow-Green to Brown Powder and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Yellow to Orange,Clear to Slightly Hazy,50 mg/mL	pass	Pass



John Su
QA & QC Manager