

Certificate of Analysis

Date of Testing: 2024-01-04 11:54:36
Date of Next Testing: 2028-01-03 11:54:36
Product Name: **5-Nitro-1,10-phenanthroline**
CAS Number: 4199-88-6
Specifications & Purity: 98%
Lot #: A2402519
SKU #: **N119911**
Analysis: 297779

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	98-100 (%)	99.62%
Melting point	200-203 (°C)	201.99000 °C
Purity(HPLC)	98-100 (%)	98.60500%
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
Appearance (N119911)	Yellow to Yellow-Green to Brown Powder and/or Chunks	Yellow to Yellow-Green to Brown Powder and/or Chunks



John Su
QA & QC Manager