

Certificate of Analysis

Date of Testing: 2022-01-22 13:38:56
Date of Next Testing: 2026-01-21 13:38:56
Product Name: **5-Nitro-1,10-phenanthroline**
CAS Number: 4199-88-6
Specifications & Purity: 98%
Lot #: C1820124
SKU #: **N119911**
Analysis: **069262**

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	98-100 (%)	98.08 %
Melting point	200-203 (°C)	200.36000 °C
Purity(HPLC)	98-100 (%)	98.09580 %
Appearance (N119911)	Yellow to Brown Powder and/or Chunks	Yellow 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