

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-11 10:30:35  
Date of Next Testing: 2029-10-10 10:30:35  
Product Name: **5-Nitro-1,10-phenanthroline**  
CAS Number: 4199-88-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: I2529338  
SKU #: **N119911**  
Version: **0**  
Analysis #: **374275**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.09000 %
Purity(NonaqueousTitration)	98-100 (%)	98.09 %
Melting point	200-203 (°C)	201.80000 °C
Appearance (N119911)	Yellow to yellow-green to brown solid	Yellow to yellow-green to brown solid
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