

Certificate of Analysis

Date of Testing: 2022-03-21 15:08:35
Date of Next Testing: 2026-03-20 15:08:35
Product Name: **5-Nitro-1,10-phenanthroline**
CAS Number: 4199-88-6
Specifications & Purity: 98%
Lot #: C2208144
SKU #: **N119911**
Analysis: **026772**

| Parameter | Limit Values | Result |
|---|--------------------------------------|--------------------------------------|
| Purity(NonaqueousTitration) | 98-100 (%) | 99.00 % |
| Melting point | 200-203 (°C) | 200.19000 °C |
| Purity(HPLC) | 98-100 (%) | 98.10560 % |
| 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