

Certificate of Analysis

Date of Testing: 2024-07-24 09:54:38
Date of Next Testing: 2028-07-23 09:54:38
Product Name: **3,4,7,8-Tetramethyl-1,10-phenanthroline**
CAS Number: 1660-93-1
Specifications & Purity: >98.0%(HPLC)
Lot #: G2418421
SKU #: **T122871**
Version: **0**
Analysis #: **367119**

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	97.5-102.5 (%)	97.72 %
Purity(HPLC)	98-100 (%)	99.53900 %
Appearance (T122871)	White to light orange powder,crystals and/or chunk	White to light orange powder,crystals and/or chunk
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 95% EtOH , Colorless to Brown-Yellow Clear to Hazy 50mg/ml	pass	Pass
Solubility in hot MeOH	almost transparency	almost transparency



John Su
QA & QC Manager