

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-12 14:30:04
 Date of Next Testing: 2029-09-11 14:30:04
 Product Name: **3,4,7,8-Tetramethyl-1,10-phenanthroline**
 CAS Number: 1660-93-1
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: K2130070
 SKU #: **T122871**
 Version: **0**
 Analysis #: **571308**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	97.5-102.5 (%)	99.49600 %
Purity(HPLC)	98-100 (%)	98.42300 %
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