

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-13 13:23:09  
Date of Next Testing: 2030-01-12 13:23:09  
Product Name: **3,4,7,8-Tetramethyl-1,10-phenanthroline**  
CAS Number: 1660-93-1  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: A2606049  
SKU #: **T122871**  
Version: **0**  
Analysis #: **639401**

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	99.50 %
Purity(HPLC)	98-100 (%)	98.42500 %
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