

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2022-10-24 10:32:31
Date of Next Testing:	2026-10-23 10:32:31
Product Name:	<b>3,4,7,8-Tetramethyl-1,10-phenanthroline</b>
CAS Number:	1660-93-1
Specifications & Purity:	>98.0%(HPLC)
Lot #:	A1910006
SKU #	<b>T122871</b>
<b>Analysis:</b>	<b>147599</b>

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	100.73 %
Purity(HPLC)	98-100 (%)	99.10200 %
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