

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-24 13:42:29
Date of Next Testing: 2026-10-23 13:42:29
Product Name: **3,4,7,8-Tetramethyl-1,10-phenanthroline**
CAS Number: 1660-93-1
Specifications & Purity: >98.0%(HPLC)
Lot #: A1910007
SKU #: **T122871**
Analysis: **147764**

| Parameter | Limit Values | Result |
|--|--|--|
| Purity(Titration by HClO ₄) | 97.5-102.5 (%) | 100.79 % |
| Purity(HPLC) | 98-100 (%) | 99.10700 % |
| 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