

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-12-13 17:50:19
Date of Next Testing:	2026-12-12 17:50:19
Product Name:	1,10-Phenanthroline
CAS Number:	66-71-7
Specifications & Purity:	Moligand™, ≥99%
Lot #:	L2207958
SKU #	P111141
Version	1
Analysis #:	149922
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.04000 %
Purity(Titration by HClO ₄)	98.5-101.5 (%)	99.99 %
Water by Karl Fischer	0-1 (%)	0.09 %
Melting point	114-120 (°C)	118.62000 °C
Sulfate Ash	0-0.1 (%)	0.10 %
Appearance (P111141)	White to Off White and Pink Powder	White to Off White and Pink Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager