

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-15 13:31:28  
Date of Next Testing: 2028-01-14 13:31:28  
Product Name: **1,10-Phenanthroline**  
CAS Number: 66-71-7  
Specifications & Purity: 99%  
Lot #: A2409074  
SKU #: **P111141**  
**Analysis:** **055001**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.25100 %
Sulfate Ash	0-0.1 (%)	0.00 %
Purity(Titration by HClO <sub>4</sub> )	98.5-101.5 (%)	99.87 %
Water by Karl Fischer	0-1 (%)	0.17 %
Melting point	114-120 (°C)	117.68000 °C
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