

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-17 09:48:42  
 Date of Next Testing: 2027-05-16 09:48:42  
 Product Name: **4,7-Dihydroxy-1,10-phenanthroline**  
 CAS Number: 3922-40-5  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: E2310144  
 SKU #: **D119919**  
 Version: **0**  
 Analysis #: **159093**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                        | Limit Values                                | Result                                      |
|----------------------------------|---------------------------------------------|---------------------------------------------|
| Purity(Neutralization titration) | 95-100 (%)                                  | 97.36200 %                                  |
| Purity(HPLC)                     | 98-100 (%)                                  | 98.01000 %                                  |
| Appearance (D119919)             | Grey to brown to green powder and/or chunks | Grey to brown to green powder and/or chunks |
| Infrared spectrum                | Conforms to Structure                       | Conforms to Structure                       |



John Su  
 QA & QC Manager