

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-10 16:15:14
Date of Next Testing: 2027-06-09 16:15:14
Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**
CAS Number: 3829-86-5
Specifications & Purity: 98%
Lot #: F2303593
SKU #: **P109273**
Analysis: **223634**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|-------------------------------|--|--|
| Water by Karl Fischer | 0-8.5 (%) | 7.48 % |
| Melting point | 224-227 (°C) | 226.06000 °C |
| Purity(HPLC) | 98-100 (%) | 99.83900 % |
| Appearance (P109273) | White or light yellow or light-pink crystalline powder | White or light yellow or light-pink crystalline powder |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H2O | Almost transparency | almost transparency |
| Suitability for iron-analysis | pass test | pass test |



John Su
QA & QC Manager