

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-21 16:18:00
Date of Next Testing: 2026-03-20 16:18:00
Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**
CAS Number: 3829-86-5
Specifications & Purity: 98%
Lot #: C2208081
SKU #: **P109273**
Analysis: **053460**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-8.5 (%)	7.04 %
Purity(HPLC)	98-100 (%)	98.08600 %
Melting point	224-227 (°C)	226.85000 °C
Appearance (P109273)	White or light yellow crystalline powder	White or light yellow 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