

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-25 19:25:32
Date of Next Testing: 2026-08-24 19:25:32
Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**
CAS Number: 3829-86-5
Specifications & Purity: 98%
Lot #: H2217481
SKU #: **P109273**
Analysis: **101187**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-8.5 (%)	7.83 %
Melting point	224-227 (°C)	226.55000 °C
Purity(HPLC)	98-100 (%)	98.04000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency
Suitability for iron-analysis	pass test	pass test
Appearance (P109273)	White or light yellow or light-pink crystalline powder	White or light yellow or light-pink crystalline powder



John Su
QA & QC Manager