

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-27 09:11:49  
Date of Next Testing: 2030-02-26 09:11:49  
Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**  
CAS Number: 3829-86-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: B2625775  
SKU #: **P109273**  
Version: **1**  
Analysis #: **653950**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-8.5 (%)	7.59080 %
Purity(HPLC)	98-100 (%)	100.00000 %
Appearance (P109273)	White or light yellow or light-pink crystalline powder	White or light yellow or light-pink crystalline powder
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency
Suitability for iron-analysis	pass test	pass test
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su  
QA & QC Manager