

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-14 10:08:43

Date of Next Testing: 2028-09-13 10:08:43

Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**

CAS Number: 3829-86-5

Specifications & Purity: $\geq 98\%$

Lot #: K2021109

SKU #: **P109273**

Version: **1**

Analysis #: **411383**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-8.5 (%)	7.30000 %
Melting point	224-227 (°C)	226.90000 °C
Purity(HPLC)	98-100 (%)	99.40000 %
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 H ₂ O	Almost transparency	almost transparency
Suitability for iron-analysis	pass test	pass test



John Su
QA & QC Manager