

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-10 16:15:43
Date of Next Testing: 2027-06-09 16:15:43
Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**
CAS Number: 3829-86-5
Specifications & Purity: 98%
Lot #: F2303624
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