

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-27 18:33:49
Date of Next Testing: 2027-03-26 18:33:49
Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**
CAS Number: 3829-86-5
Specifications & Purity: 98%
Lot #: C23231007
SKU #: **P109273**
Analysis: **194472**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-8.5 (%)	7.21 %
Melting point	224-227 (°C)	225.60000 °C
Purity(HPLC)	98-100 (%)	99.83800 %
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