

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-14 17:03:47
 Date of Next Testing: 2029-11-13 17:03:47
 Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**
 CAS Number: 3829-86-5
 Specifications & Purity: AR, ≥97%
 Lot #: K2513527
 SKU #: **P109272**
 Version: **4**
 Analysis #: **609738**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfate Ash	0-0.1 (%)	0.00000 %
Water by Karl Fischer	0-8.5 (%)	7.45400 %
Melting point	224-227 (°C)	226.00000 °C
Purity(HPLC area)	97-100 (%)	99.65000 %
Appearance (P109272)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Solubility in H ₂ O , 0.1 g/mL, transparent	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager