

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

Certificate of Analysis

Date of Testing: 2024-11-25 13:22:57
Date of Next Testing: 2028-11-24 13:22:57
Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**
CAS Number: 3829-86-5
Specifications & Purity: AR, ≥97%
Lot #: K2414029
SKU #: **P109272**
Version: **4**
Analysis #: **699502**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfate Ash	0-0.1 (%)	0.06900 %
Water by Karl Fischer	0-8.5 (%)	7.59080 %
Melting point	224-227 (°C)	226.00000 °C
Purity(HPLC area)	97-100 (%)	100.00000 %
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