

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-10 14:57:36
Date of Next Testing: 2026-12-09 14:57:36
Product Name: **1,10-Phenanthroline monohydrochloride monohydrate**
CAS Number: 3829-86-5
Specifications & Purity: reagent grade,97.0 %
Lot #: L2202561
SKU #: **P109272**
Analysis: **166004**

Parameter	Limit Values	Result
Sulfate Ash	0-0.1 (%)	0.00 %
Water by Karl Fischer	0-8.5 (%)	7.85 %
Assay(Titration by AgNO ₃)	97-102.5 (%)	99.75 %
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