

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-12-08 09:07:26
Date of Next Testing:	2027-12-07 09:07:26
Product Name:	1,10-Phenanthroline Monohydrate
CAS Number:	5144-89-8
Specifications & Purity:	AR, ≥98%
Lot #:	L2301425
SKU #	P104932
Version	0
Analysis #:	296531
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	71.2-74.2 (%)	72.94%
Water by Karl Fischer	0-11.1 (%)	9.60%
Nitrogen by Elemental Analysis	13.8-14.4 (%)	14.08%
Purity(HPLC)	98-100 (%)	98.92600%
Appearance (P104932)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless to Light Yellow Clear to Hazy(100mg/ml)	pass	Pass



John Su
QA & QC Manager