

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-01 15:38:39

Date of Next Testing: 2027-07-31 15:38:39

Product Name: **1,10-Phenanthroline Monohydrate**

CAS Number: 5144-89-8

Specifications & Purity: AR, ≥98%

Lot #: G23181009

SKU #: **P104932**

Version: **0**

Analysis #: **245853**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	71.2-74.2 (%)	72.64900 %
Water by Karl Fischer	0-11.1 (%)	9.14440 %
Nitrogen by Elemental Analysis	13.8-14.4 (%)	14.07900 %
Purity(HPLC)	98-100 (%)	99.49900 %
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