

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-16 16:39:13
Date of Next Testing: 2029-12-15 16:39:13
Product Name: **1,10-Phenanthroline Monohydrate**
CAS Number: 5144-89-8
Specifications & Purity: AR, ≥98%
Lot #: L2512051
SKU #: **P104932**
Version: **0**
Analysis #: **486559**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	71.2-74.2 (%)	72.66 %
Water by Karl Fischer	0-11.1 (%)	9.36 %
Nitrogen by Elemental Analysis	13.8-14.4 (%)	14.05 %
Purity(HPLC)	98-100 (%)	99.93200 %
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