

Certificate of Analysis

Date of Testing: 2022-02-22 11:07:41
Date of Next Testing: 2026-02-21 11:07:41
Product Name: **1,10-Phenanthroline Monohydrate**
CAS Number: 5144-89-8
Specifications & Purity: Analytical Reagent,98%
Lot #: B2218560
SKU #: **P104932**
Analysis: **065628**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	71.2-74.2 (%)	73.32 %
Water by Karl Fischer	0-11.1 (%)	8.38 %
Purity(HPLC)	98-100 (%)	99.90500 %
Nitrogen by Elemental Analysis	13.8-14.4 (%)	14.33 %
Appearance (P104932)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Solubility in EtOH , Colorless to Light Yellow Clear to Hazy(100mg/ml)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager