

Certificate of Analysis

Date of Testing: 2025-03-13 11:10:55

Date of Next Testing: 2029-03-12 11:10:55

Product Name: **Copper(II) phthalocyanine**

CAS Number: 147-14-8

Specifications & Purity: sublimed grade, ≥99%

Lot #: F2115056

SKU #: **C123342**

Version: **0**

Analysis #: **479168**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	19.2-19.9 (%)	19.20 %
Purity	99-100 (%)	99.00 %
Carbon by Elemental Analysis	65.7-68.4 (%)	66.00 %
Wavelength(c=0.005g/L;Chloronaphthalene)	675-681 (nm)	675.00 nm
Water by Karl Fischer	0-0.5 (%)	0.20 %
Extinction Coefficient	≥11000	11000.00
Appearance (C123342)	Purple Needles and/or Powder	Purple Needles and/or Powder
ICP: Confirms Cu Components	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager