

Certificate of Analysis

Date of Testing: 2024-09-23 17:19:59

Date of Next Testing: 2028-09-22 17:19:59

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

CAS Number: 147-14-8

Specifications & Purity: sublimed grade, $\geq 99\%$

Lot #: I2420168

SKU # **C123342**

Version **0**

Analysis #: **107225**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity	99-100 (%)	99.00 %
Water by Karl Fischer	0-0.5 (%)	0.00 %
Nitrogen by Elemental Analysis	19.2-19.9 (%)	19.42 %
Carbon by Elemental Analysis	65.7-68.4 (%)	65.89 %
Wavelength(c=0.005g/L;Chloronaphthalene)	675-681 (nm)	678.00 nm
Extinction Coefficient	≥ 11000	11008.00
ICP: Confirms Cu Components	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (C123342)	Purple Needles and/or Powder	Purple Needles and/or Powder



John Su
QA & QC Manager