

Certificate of Analysis

Date of Testing: 2024-12-17 11:22:59

Date of Next Testing: 2027-12-17 11:22:59

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

CAS Number: 147-14-8

Specifications & Purity: sublimed grade, ≥99.95% metals basis, triple-sublimed

Lot #: L2416058

SKU #: **C432135**

Version: **1**

Analysis #: **447315**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Extinction Coefficient((c = 0.005 g/L; Chloronaphthalene;675-681nm)	≥11000	60429.00000
Carbon by Elemental Analysis	65.7-68.4 (%)	66.60 %
Nitrogen by Elemental Analysis	19.2-19.9 (%)	19.60 %
Cl(Titration by AgNO3 After Oxygen Combustion)	0-1 (%)	0.04 %
Water by Karl Fischer	0-0.5 (%)	0.50 %
Trace Metal Analysis	0-500 (ppm)	500.00 ppm
Purity(Based On Trace Metals Analysis)	99.95-100 (%)	99.95 %
Appearance(C432135)	Purple Powder or Crystals	purple powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Copper Component	Conforms	Conforms



John Su
QA & QC Manager