

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-08 13:42:56

Date of Next Testing: 2028-10-07 13:42:56

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

CAS Number: 147-14-8

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

Lot #: I2425336

SKU # **C123342**

Version **0**

Analysis #: **001829**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	19.2-19.9 (%)	19.50 %
Purity	99-100 (%)	99.00 %
Carbon by Elemental Analysis	65.7-68.4 (%)	66.80 %
Wavelength(c=0.005g/L;Chloronaphthalene)	675-681 (nm)	678.00 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