

Certificate of Analysis

Date of Testing: 2022-02-12 10:42:25
Date of Next Testing: 2026-02-11 10:42:25
Product Name: **Copper(II) phthalocyanine**
CAS Number: 147-14-8
Specifications & Purity: β -form, >90.0%
Lot #: B2209075
SKU #: **C123345**
Analysis: **060268**

| Parameter | Limit Values | Result |
|--|---|---|
| Molar extinction coefficient(H ₂ SO ₄ , 789.0 to 791.0 nm) | ≥ 220000 | 250000.00 |
| Nitrogen by Elemental Analysis | 17.1-21.7 (%) | 19.35 % |
| Carbon by Elemental Analysis | 58.7-74.7 (%) | 66.12 % |
| Purity(as Cu) | 90-100 (%) | 92.58 % |
| Appearance (C123345) | Dark Blue to Violet to Purple Needles or Powder | Dark Blue to Violet to Purple Needles or Powder |
| ICP Assay | Confirmed to structure | Confirmed to structure |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in Pyridine , Turbid Dark Blue,c = pass 10 mg/ml | | Pass |



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