

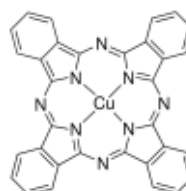
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Product Specification

Product Name:
Copper(II) phthalocyanine - Dye content >99 %

Product Number: 546682
CAS Number: 147-14-8
MDL: MFCD00010719
Formula: C₃₂H₁₆CuN₈
Formula Weight: 576.07 g/mol



| TEST | Specification |
|---------------------------------|-------------------------------|
| Appearance (Color) | Blue to Purple |
| Appearance (Form) | Powder or Crystals or Needles |
| Infrared spectrum | Conforms to Structure |
| Wavelength | 675 - 681 nm |
| Extinction Coefficient | ≥ 25000 |
| c = 0.005g/l, Chloronaphthalene | |
| Carbon | 65.7 - 68.4 % |
| Nitrogen | 19.2 - 19.9 % |
| Water (by Karl Fischer) | ≤ 1.00 % |
| ICP Major Analysis | Confirmed |
| Confirms Copper Component | |

Specification: PRD.3.ZQ5.10000028113

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.