

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

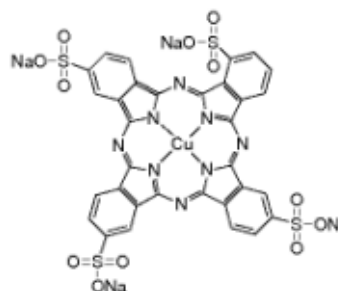
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Copper phthalocyanine-3,4',4'',4'''-tetrasulfonic acid tetrasodium salt - Dye content 85 %

Product Number: 245356
CAS Number: 123439-80-5
MDL: MFCD00012145
Formula: C₃₂H₁₂CuN₈O₁₂S₄ · 4Na
Formula Weight: 984.25 g/mol



TEST

Specification

Appearance (Color)	Purple to Very Dark Purple
Appearance (Form)	Powder or Crystals
Infrared spectrum	Conforms to Structure
Wavelength	664 - 670 nm
C=0.01 G/l H ₂ O	
Extinction Coefficient	≥ 41000
Wavelength	627 - 633 nm
Extinction Coefficient	≥ 51000
Wavelength	333 - 339 nm
Extinction Coefficient	≥ 48000
Wavelength	216 - 222 nm
Extinction Coefficient	≥ 56000
C=0.01g/l in H ₂ O	
Carbon	32.5 - 39.0 %
Nitrogen	9.5 - 11.4 %
Copper (Cu) by ICP Assay	
Report Results	
Sodium (Na) by ICP Assay	
Typically 7.8% - 13.0%	

Specification: PRD.0.ZQ5.1000026512

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.