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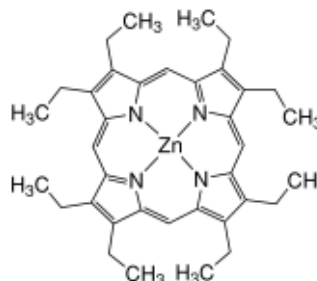
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

2,3,7,8,12,13,17,18-Octaethyl-21H,23H-porphine zinc(II) - 98%

Product Number: 258423
Lot Number: MKBJ2862
 Brand: ALDRICH
 CAS Number: 17632-18-7
 MDL Number: MFCD00012156
 Formula: C₃₆H₄₄N₄Zn
 Formula Weight: 598.15 AMU
 Quality Release Date: 20 OCT 2011



Test	Specification	Result
Appearance (Color) Dark Red to Purple	Conforms to Requirements	Dark Red
Appearance (Form) Powder, Fibers or Crystals	Conforms to Requirements	Fibers
Infrared spectrum Dark Red to Purple	Conforms to Structure	Conforms
Wavelength 0.001-0.002g/l; Toluene	399 - 405 nm	405 nm
Extinction Coefficient	≥ 200000	354439
Carbon	70.5 - 74.1 %	72.5 %
Nitrogen	9.1 - 9.6 %	9.4 %
Purity (HPLC)	≥ 97.5 %	98.5 %

Remarks:

Reviewing Chemist :

Jamie Gleason, Manager
 Quality Control
 Milwaukee, Wisconsin US

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.