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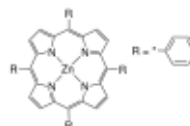
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

5,10,15,20-Tetraphenyl-21H,23H-porphine zinc

**Product Number:** 252166  
**Batch Number:** MKBW8181V  
**Brand:** ALDRICH  
**CAS Number:** 14074-80-7  
**MDL Number:** MFCD00012155  
**Formula:** C<sub>44</sub>H<sub>28</sub>N<sub>4</sub>Zn  
**Formula Weight:** 678.11 g/mol  
**Quality Release Date:** 03 NOV 2015



Test	Specification	Result
Appearance (Color)	Purple	Purple
Appearance (Form)	Conforms to Requirements	Powder
Powder, Crystals or Crystalline Powder		
Infrared Spectrum	Conforms to Structure	Conforms
Wavelength	420 - 426 nm	423 nm
Extinction Coefficient	≥ 400000	531974
c = 0.001 g/L; Toluene		
Carbon	68.0 - 77.8 %	76.4 %
Nitrogen	7.4 - 8.7 %	8.1 %
Purity (HPLC)	≥ 97.5 %	99.8 %

Michael Grady, Manager  
Quality Control  
Milwaukee, WI 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.