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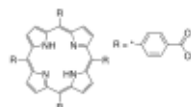
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

4,4',4'',4'''-(Porphine-5,10,15,20-tetrayl)tetrakis(benzoic acid) - Dye content 75 %

Product Number: 379077
Batch Number: MKCF9822
Brand: ALDRICH
CAS Number: 14609-54-2
MDL Number: MFCD00064860
Formula: C₄₈H₃₀N₄O₈
Formula Weight: 790.77 g/mol
Quality Release Date: 01 MAR 2018



Test	Specification	Result
Appearance (Color)	Dark Blue to Purple to Black	Black
Appearance (Form)	Powder	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Wavelength	408 - 414 nm	413 nm
c = 0.002 g/l; In 5% Na ₂ CO ₃		
Extinction Coefficient	≥ 125000	204819
Carbon	≥ 53.2 %	68.7 %
Nitrogen	≥ 5.1 %	6.1 %

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.