



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-230912  
Lot Number: SAMPLE  
Product Name: 2,3,7,8,12,13,17,18-Octaethyl-21H,23H-porphine manganese(III) chloride  
CAS Number: 28265-17-0  
Molecular Formula:  $C_{36}H_{44}ClMnN_4$   
Molecular Weight: 623.15

Test	Specification	Result
Appearance	Brown to black powder	Black powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 96.5\%$	97.7%
Absorption Excitation (1)	456 - 462 nm	458 nm
Extinction Coefficient (1)	$\geq 5000$ (C = 0.006g/l, Methanol)	59945
Absorption Excitation (2)	362 - 368 nm	365 nm
Extinction Coefficient (2)	$\geq 80000$ (C = 0.006g/l, Methanol)	86927
Carbon Content	67.0 - 71.8%	69.6%
Nitrogen Content	8.6 - 9.3%	8.9%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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