



## CERTIFICATE OF ANALYSIS

**PRODUCT:** **5,10,15,20-Tetraphenyl-21*H*,23*H*-  
porphine manganese(III) chloride, 95%**  
[*meso*-Tetraphenylporphyrin manganese(III) chloride  
complex],  
C<sub>44</sub>H<sub>28</sub>ClMnN<sub>4</sub>, M.W. 703.11, CAS# [32195-55-4]

**PRODUCT NUMBER:** C-1472

**LOT NUMBER:** B1500

**APPEARANCE:** Black powder

**INFRARED SPECTRUM:** Conforms to structure

	<u>Specifications:</u>	<u>Results:</u>
<b>UV-VISIBLE SPECTRUM:</b>	In Ether E(475 +/- 2NM) = 110,000 (Minimum)	0.005 G/L, Ether E474 = 115,100
<b>ELEMENTAL ANALYSIS:</b>	Carbon 70.6%-79.7% Nitrogen 7.4%-8.4%	Carbon 74.0% Nitrogen 8.00%
<b>HIGH PRESSURE LIQUID:</b>	94.0% (Minimum)	99%
<b>STORAGE &amp; HANDLING:</b>	Store dry at +20°C. <u>WARNING: HARMFUL! IRRITANT!</u>	

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD