

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-23 11:54:43  
 Date of Next Testing: 2026-02-22 11:54:43  
 Product Name: **5,10,15,20-Tetraphenyl-21H,23H-porphine copper(II)**  
 CAS Number: 14172-91-9  
 Specifications & Purity: 97%  
 Lot #: B2315704  
 SKU #: **T302845**  
**Analysis:** **178186**  
 Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Extinction	≥ 390000	398999.30000
Coefficient(414 - 420 nm, C=0.001g/L In Toluene)		
Purity(HPLC)	97-100 (%)	98.85100%
Appearance(T302845)	Green to Dark green to Dark blue to Faint Purple to Dark Purple to Purplish red to light brown powder to crystal	Green to Dark green to Dark blue to Faint Purple to Dark Purple to Purplish red to light brown powder to crystal
ICP: Confirms Copper Component	Confirmed	Conforms
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager