

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-19 16:10:25  
Date of Next Testing: 2025-09-18 16:10:25  
Product Name: **Cobalt(II) Tetraphenylporphyrin**  
CAS Number: 14172-90-8  
Specifications & Purity: 95%  
Lot #: I2214554  
SKU #: **C190873**  
Version: **0**  
Analysis #: **120028**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	7.9-8.8 (%)	8.65 %
Carbon by Elemental Analysis	74.5-82.5 (%)	78.81 %
Lambda max	412-418 (nm)	415.00 nm
Molar extinction coefficient	≥43200	43500.00
Purity(HPLC)	95-100 (%)	95.90000 %
Appearance (C190873)	Brown to Dark Purple or Dark Red Powder or Crystals	Brown to Dark Purple or Dark Red Powder or Crystals
ICP: Confirms Cobalt Component	Confirmed	Confirmed



John Su  
QA & QC Manager