

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-05-26 11:39:32  
Date of Next Testing: 2025-05-25 11:39:32  
Product Name: **Cobalt(II) Tetraphenylporphyrin**  
CAS Number: 14172-90-8  
Specifications & Purity: 95%  
Lot #: E2224047  
SKU #: **C190873**  
**Analysis:** **079954**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	7.9-8.8 (%)	8.35 %
Carbon by Elemental Analysis	74.5-82.5 (%)	81.42 %
Lambda max	412-418 (nm)	416.00 nm
Molar extinction coefficient	≥43200	43200.00
Purity(HPLC)	95-100 (%)	97.61600 %
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