

## Certificate of Analysis

Date of Testing: 2023-06-07 16:42:40  
Date of Next Testing: 2027-06-06 16:42:40  
Product Name: **5,10,15,20-Tetrakis(4-aminophenyl)porphyrin**  
CAS Number: 22112-84-1  
Specifications & Purity: 95%  
Lot #: F2302306  
SKU #: **T123122**  
**Analysis: 225884**  
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	14.9-17.5 (%)	15.70%
Purity(HPLC)	95-100 (%)	96.12800%
Lambda max.(Toluene)	428-431 (nm)	429.00 nm
Carbon by Elemental Analysis	73.5-78.9 (%)	75.19%
Appearance (T123122)	Purple Granules or Solid	Purple Granules or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager