

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-07 15:42:51  
Date of Next Testing: 2028-12-06 15:42:51  
Product Name: **5,10,15,20-Tetrakis(4-aminophenyl)porphyrin**  
CAS Number: 22112-84-1  
Specifications & Purity:  $\geq 95\%$   
Lot #: L2403445  
SKU #: **T123122**  
Version: **1**  
Analysis #: **437150**  
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	14.9-17.5 (%)	15.72 %
Purity(HPLC)	95-100 (%)	98.04900 %
Lambda max.(Toluene)	428-431 (nm)	429.00 nm
Carbon by Elemental Analysis	73.5-78.9 (%)	74.88 %
Appearance (T123122)	Purple Granules or Solid	Purple Granules or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager