

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-08 14:18:16  
 Date of Next Testing: 2029-04-07 14:18:16  
 Product Name: **5,10,15,20-Tetrakis(4-methoxyphenyl)porphyrin**  
 CAS Number: 22112-78-3  
 Specifications & Purity:  $\geq 95\%$   
 Lot #: C2528033  
 SKU #: **T123121**  
 Version: **0**  
 Analysis #: **015118**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                           | Limit Values              | Result                    |
|---------------------------------------------------------------------|---------------------------|---------------------------|
| Nitrogen by Elemental Analysis                                      | 7.2-8.2 (%)               | 7.41 %                    |
| Carbon by Elemental Analysis                                        | 73.7-83.2 (%)             | 78.02 %                   |
| Molar extinction coefficient(CHCl <sub>3</sub> , 420.0 to 424.0 nm) | $\geq 430000$             | 430010.00                 |
| Purity(HPLC)                                                        | 95-100 (%)                | 99.32800 %                |
| Lambda max                                                          | 420-424 (nm)              | 422.00 nm                 |
| Appearance (T123121)                                                | purple powder or crystals | purple powder or crystals |
| Proton NMR spectrum                                                 | Conforms to Structure     | Conforms to Structure     |



John Su  
 QA & QC Manager