

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2024-06-13 16:46:28  
Date of Next Testing: 2028-06-12 16:46:28  
Product Name: 5,10,15,20-Tetrakis(4-methoxyphenyl)porphyrin  
CAS Number: 22112-78-3  
Specifications & Purity: ≥95%  
Lot #: F2406071  
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 (%)               | 7.41000 %                 |
| Carbon by Elemental Analysis                                        | 73.7-83.2 (%)             | 78.02000 %                |
| Molar extinction coefficient(CHCl <sub>3</sub> , 420.0 to 424.0 nm) | ≥430000                   | 430010.00000              |
| Purity(HPLC)                                                        | 95-100 (%)                | 99.32800 %                |
| Lambda max                                                          | 420-424 (nm)              | 422.00000 nm              |
| Appearance (T123121)                                                | purple powder or crystals | purple powder or crystals |
| Proton NMR spectrum                                                 | Conforms to Structure     | Conforms to Structure     |

