

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-10 17:28:41

Date of Next Testing: 2029-06-09 17:28:41

Product Name: **meso-Tetraphenylporphyrin (TPP)**

CAS Number: 917-23-7

Specifications & Purity:  $\geq 97\%$

Lot #: F2504538

SKU #: **M115646**

Version: **0**

Analysis #: **527174**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                 | Limit Values                                                  | Result                                                        |
|-----------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Lambda max                                                | 415-418 (nm)                                                  | 417.00000 nm                                                  |
| Purity(HPLC)                                              | 97-100 (%)                                                    | 97.40000 %                                                    |
| Appearance (M115646)                                      | Dark Green to Blue to Dark Violet to Black Powder or Crystals | Dark Green to Blue to Dark Violet to Black Powder or Crystals |
| Infrared spectrum                                         | Conforms to Structure                                         | Conforms to Structure                                         |
| Molar extinction coefficient(1mg/L, DMF, 415.0 - 418.0nm) | $\geq 420000$                                                 | $\geq 420000$                                                 |



John Su  
QA & QC Manager