

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |                                                                                |
|--------------------------|--------------------------------------------------------------------------------|
| Date of Testing:         | 2025-09-13 16:24:09                                                            |
| Date of Next Testing:    | 2027-09-13 16:24:09                                                            |
| Product Name:            | <b>3,9-Bis(octadecyloxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane</b> |
| CAS Number:              | 3806-34-6                                                                      |
| Specifications & Purity: | Reagent grade                                                                  |
| Lot #:                   | I2503276                                                                       |
| SKU #                    | <b>B118584</b>                                                                 |
| Version                  | <b>0</b>                                                                       |
| <b>Analysis #:</b>       | <b>576429</b>                                                                  |
| Storage Temperature:     | Room temperature                                                               |

| Parameter                          | Limit Values                    | Result                          |
|------------------------------------|---------------------------------|---------------------------------|
| Carbon by Elemental Analysis       | 64.8-69.5 (%)                   | 65.07800 %                      |
| Melting point                      | 40-70 (°C)                      | 56.69000 °C                     |
| Appearance (B118584)               | White Flakes,Crystals or Chunks | White Flakes,Crystals or Chunks |
| ICP: Confirms Phosphorus Component | Confirmed                       | Confirmed                       |
| Infrared spectrum                  | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager