

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-23 11:26:06  
Date of Next Testing: 2028-06-22 11:26:06  
Product Name: [2-(Methacryloyloxy)ethyl]dimethyl-(3-sulfopropyl) (SPE)  
CAS Number: 3637-26-1  
Specifications & Purity:  $\geq 97\%$   
Lot #: F2511547  
SKU #: M164461  
Version: 0  
Analysis #: 517222

| Parameter  | Limit Values             | Result                   |
|--|--------------------------|--------------------------|
| Sulfur by Elemental Analysis   | 11-11.9 (%)              | 11.50 %                  |
| Carbon by Elemental Analysis   | 45.6-48.9 (%)            | 45.66 %                  |
| Purity(HPLC)   | 97-100 (%)               | 99.93100 %               |
| Nitrogen by Elemental Analysis   | 4.7-5.2 (%)              | 4.85 %                   |
| Appearance (M164461)   | White Powder or Crystals | White Powder or Crystals |
| Proton NMR spectrum  | Conforms to Structure    | Conforms to Structure    |
| Solubility in H <sub>2</sub> O , Colorless Clear , 25mg/ml, H <sub>2</sub> O | pass                     | Pass                     |



John Su  
QA & QC Manager