

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-17 14:49:20

Date of Next Testing: 2025-01-16 14:49:20

Product Name: [2-(Methacryloyloxy)ethyl]dimethyl-(3-sulfopropyl) (SPE)

CAS Number: 3637-26-1

Specifications & Purity: $\geq 97\%$

Lot #: A2214602

SKU #: M164461

Version: 0

Analysis #: 064710

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfur by Elemental Analysis	11-11.9 (%)	11.50000 %
Carbon by Elemental Analysis	45.6-48.9 (%)	47.20000 %
Purity(HPLC)	97-100 (%)	99.58900 %
Nitrogen by Elemental Analysis	4.7-5.2 (%)	4.90000 %
Appearance (M164461)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless Clear , 25mg/ml, H ₂ O	pass	Pass



John Su
QA & QC Manager