

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-04 10:45:10

Date of Next Testing: 2026-12-03 10:45:10

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

CAS Number: 3637-26-1

Specifications & Purity: $\geq 97\%$

Lot #: K2327119

SKU #: M164461

Version: 0

Analysis #: 283857

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfur by Elemental Analysis	11-11.9 (%)	11.30000 %
Carbon by Elemental Analysis	45.6-48.9 (%)	46.90000 %
Purity(HPLC)	97-100 (%)	99.96300 %
Nitrogen by Elemental Analysis	4.7-5.2 (%)	5.10000 %
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