

Certificate of Analysis

Date of Testing: 2023-01-06 11:37:00

Date of Next Testing: 2027-01-05 11:37:00

Product Name: **1,3-Propanediol cyclic sulfate**

CAS Number: 1073-05-8

Specifications & Purity: 98%

Lot #: L2222040

SKU #: **P120337**

Analysis: **165277**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.66 %
Carbon by Elemental Analysis	25.4-26.7 (%)	25.70 %
Sulfur by Elemental Analysis	22.6-23.8 (%)	23.20 %
Appearance (P120337)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager