

100 Majestic Way, Bangor, PA 18013 / www.biospectra.us

Effective Date:	10-Jun-2022	10-Jun-2025	: Date of Next Review
Prepared By:	Brett Brink	BSI-COA-0052 v.4.1	: Supersedes
QA/QC Approval:	Jaron Hughes	Carissa McCollian	: Management Approval
Reason for Revision:	See Revision History in MasterControl		

## CERTIFICATE OF ANALYSIS MOPS BIO ULTRA GRADE / MOPS-5220-51

### LOT: MOPS-0122-00185

C<sub>7</sub>H<sub>15</sub>NO<sub>4</sub>S· ▲ F.W. 209.26 g/mol. ▲ CAS#: 1132-61-2 Manufacturing/Packaging Date: 07/23/22 Retest Date: 07/31/24 Packaging Site: 100 Majestic Way, Bangor PA, 18013

Analysis		SPECIFICATION	TEST RESULT
Absorbance	260 nm	0.030 a.u. max.	0.004 a.u.
Appearance and Color		White / Crystals	White / Crystals
Assay		99.0% min.	100.4%
Identification (IR)		Passes Test	Passes Test
pH (1% solution)		2.5-4.5	4.3 @ 23.1°C
Solubility (5% solution)		Passes Test	Passes Test

#### TEST METHOD REFERENCE: DCN: BSI-ATM-0008

<u>INTENDED USE:</u> Material represented by this Certificate of Analysis is suitable for use as a process chemical. The material represented by this Certificate of Analysis is not suitable to be used as an Excipient, Active Pharmaceutical Ingredient, Drug, Drug Product or Household Item.

Prepared by:	M. Shahr	Date:	07/29/22	_Job Title: _	QA Tech. I
Reviewed by:	Joron Ahrofh	Date: _	7/29/22	Job Title: _	QA Specialist

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	QA/QC Approval:	Jaron Hughes	Γ	Carissa McCollian	: Management Approval
	Reason for Revision:	See Revision History in MasterControl.			

# CERTIFICATE OF ANALYSIS MOPS

## BIO ULTRA GRADE / MOPS-5220-51 LOT: MOPS-0122-00186

C<sub>7</sub>H<sub>15</sub>NO<sub>4</sub>S· A F.W. 209.26 g/mol. A CAS#: 1132-61-2 Manufacturing/Packaging Date: 07/23/22 Retest Date: 07/31/24 Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS		SPECIFICATION	TEST RESULT	
Absorbance	260 nm	0.030 a.u. max.	0.003 a.u.	
Appearance and Color		White / Crystals	White / Crystals	
Assay		99.0% min.	100.3%	
Identification (IR)		Passes Test	Passes Test	
pH (1% solution)		2.5-4.5	4.3 @ 24.4°C	
Solubility (5% solution)		Passes Test	Passes Test	

TEST METHOD REFERENCE: DCN: BSI-ATM-0008

<u>INTENDED USE:</u> Material represented by this Certificate of Analysis is suitable for use as a process chemical. The material represented by this Certificate of Analysis is not suitable to be used as an Excipient, Active Pharmaceutical Ingredient, Drug, Drug Product or Household Item.

Prepared by:	M. Shapy	Date:	07/29/22	Job Title:	QA Tech. I
Reviewed by: _	Joon High	Date:	7/29/2	Job Title: _(	QA Specialist

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