

# BIOBUFFER SOLUTIONS

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

Effective Date:	23-Jun-2025	23-Jun-2028	: Date of Next Review
Prepared By:	Taylor Yurick	BSI-COA-0052 v.4.3	: Supersedes
QA/QC Approval:	Jessica DeMaio	Hannah Kuchmas	: Management Approval
Reason for Revision:	See Revision History in MasterControl.		

## CERTIFICATE OF ANALYSIS

### MOPS

BIO ULTRA GRADE / MOPS-5220

LOT: MOPS-L03-0226-0009

 $C_7H_{15}NO_4S$  \* F.W. 209.26 g/mol. \* CAS#: 1132-61-2

Manufacturing Date: 02/04/26 Retest Date: 09/30/27

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS	SPECIFICATION	TEST RESULT
Absorbance	260 nm	0.030 a.u. max.
Appearance and Color	White / Crystals	0.002 a.u.
Assay	99.0% min.	White / Crystals
Identification (IR)	Passes Test	100.3%
pH (1% solution)	2.5-4.5	Passes Test
Solubility (5% solution)	Passes Test	4.3
		Passes Test

TEST METHOD REFERENCE: DCN: BSI-ATM-0008MANUFACTURING DATE: The manufacturing date is representative of the date of final packaging date at BioSpectra.INTENDED USE: 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: *David McCall* Date: 2/19/26 Job Title: QA Tech III

Reviewed by: *Jim Anglin* Date: 2/19/26 Job Title: QA Supervisor