BIOBUFFER SOLUTIONS

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

Effective Date:	29-Jun-2026	29-Jun-2029	: Date of Next Review
Prepared By:	Taylor Vazquez	BSI-COA-0352 v.1.0	: Supersedes
QA/QC Approval:	Carissa Albert	Hannah Kuchmas	: Management Approval
Reason for Revision:	See Revision History in MasterControl.		

CERTIFICATE OF ANALYSIS
MOPS
BIO ULTRA GRADE / MOPS-5222
LOT: MOPS-L03-1026-0013

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

Manufacturing Date: 11/01/26 Expiration Date: 12/31/27

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS		SPECIFICATION	TEST RESULT
Absorbance (0.1M)	260 nm	< = 0.02 a.u.	< 0.02 a.u.
Appearance and Color		White Crystalline Powder	Passes Test
Assay, Dried Basis		> = 99.0 %	100.1 %
Color of Solution (1M)		< = 50 APHA	< 50 APHA
Heavy Metals (Pb)		< = 5 ppm	< 1.0 ppm
Loss on Drying		< = 0.5 %	0.2 %
pH (1%)		2.5 – 4.5	4.4
pKa		7.10 – 7.30	7.2
Solubility (10%)		Passes Test	Passes Test

TEST METHOD REFERENCE: DCN: BSI-ATM-0008

MANUFACTURING 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: Amil McCall Date: 11/3/26 Job Title: QA Tech III

Reviewed by: Jason Bingham Date: 11/3/26 Job Title: QA Supervisor

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