

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-L03-0226-0007

C₇H₁₅NO₄S • F.W. 209.26 g/mol. • CAS#: 1132-61-2

Manufacturing Date: 02/04/26 Retest Date: 07/31/27

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	99.8%
pH (1% solution)	2.5-4.5	Passes Test
Solubility (5% solution)	Passes Test	4.2
		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: Shirley McCall Date: 2/9/26 Job Title: QA Tech III

Reviewed by: Joan Bugh Date: 2/9/26 Job Title: QA Supervisor