

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

Effective Date:	1-Jun-2021	1-Jun-2024	: Date of Next Review
Prepared By:	Jaron Hughes	16-001230 v.4.0	: Supersedes
QA/QC Approval:	Carissa McCollian	Wendy Santay	: Management Approval
Reason for Revision:	See Revision History in ensur.		

CERTIFICATE OF ANALYSIS

MOPS

BIO ULTRA GRADE / NEW CODE MOPS-5201-26

(HISTORICAL CODE MP5201-K050)

LOT: MOPS-0122-00082

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

Manufacturing/Packaging Date: 4/25/22 Retest Date: 4/30/24

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS		SPECIFICATION	TEST RESULT
Absorbance (0.1 M)	260 nm	0.02 a.u. max.	< 0.02 a.u.
Appearance and Color		White / Crystals	White / Crystals
Assay, Dried Basis		99.0% min.	99.5%
Enzymes	DNase	None Detected	None Detected
	RNase	None Detected	None Detected
	Protease	None Detected	None Detected
LOD		1% max.	< 1%
pH of 1% solution		2.5 – 4.5	4.3 @ 23.1 °C
pK _a Report From Mfg. CofA		7.10 – 7.30	7.2
Trace Elements	Arsenic (As)	0.0001% max.	< 0.0001%
	Copper (Cu)	0.0001% max.	< 0.0001%
	Iron (Fe)	0.0005% max.	< 0.0005%
	Lead (Pb)	0.0005% max.	< 0.0005%

TEST METHOD REFERENCE: DCN: 16-000498

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: B. B. Date: 5/1/22 Job Title: QA specialist

Reviewed by: C. Date: 5/1/22 Job Title: QA Manager

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