

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-0057 v.4.1	: Supersedes
QA/QC Approval:	Jessica DeMaio	Hannah Kuchmas	: Management Approval
Reason for Revision:	See Revision History in MasterControl.		

CERTIFICATE OF ANALYSIS

MES MONOHYDRATE

BIO ULTRA GRADE / MESM-5220

LOT: MESM-L03-0226-0013

 $\text{C}_6\text{H}_{13}\text{NO}_4\text{S} \cdot \text{H}_2\text{O}$ * F.W. 213.25 g/mol. * CAS# 145224-94-8

Manufacturing Date: 02/04/26 Retest Date: 02/29/28

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS		SPECIFICATION	TEST RESULT
Absorbance (1M)	260 nm	0.20 a.u. max.	0.03 a.u.
	280 nm	0.20 a.u. max.	0.03 a.u.
Appearance and Color		White / Crystals	White / Crystals
Assay		99.0% min.	100.1%
Identification (IR)		Passes Test	Passes Test
pH (0.5M)		2.5 – 4.5	3.0
pH (5% Soln.)		3.0 – 3.5	3.2
Residue on Ignition		0.05% max.	< 0.01%
Solubility (5% Soln.)		Passes Test	Passes Test

TEST METHOD REFERENCE: BSI-ATM-0009

MANUFACTURING DATE: The manufacturing date is representative of the 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 Ryngh Date: 2/9/26 Job Title: QA Supervisor