

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

C6H13NO4S.H2O 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.
	280 nm	0.20 a.u. max.
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-0009MANUFACTURING 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: Shil McCall Date: 2/9/26 Job Title: QA Tech 111Reviewed by: Jean Brugh Date: 2/9/26 Job Title: QA Supervisor