

# BIOBUFFER SOLUTIONS

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

Effective Date:	24-Jun-2025	24-Jun-2028	: Date of Next Review
Prepared By:	Taylor Yurick	BSI-COA-0068 v.4.2	: Supersedes
QA/QC Approval:	Jessica DeMaio	Hannah Kuchmas	: Management Approval
Reason for Revision:	See Revision History in MasterControl.		

## CERTIFICATE OF ANALYSIS

### HEPES

### BIO ULTRA GRADE / HEPE-5220

LOT: HEPE-L02-1125-0098

$C_8H_{18}N_2O_4S$  \* F.W. 238.30 g/mol. \* CAS# 7365-45-9

Manufacturing Date: 11/19/25 Retest Date: 11/30/27

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS	SPECIFICATION	TEST RESULT
Absorbance (0.1M)	250 nm	0.060 a.u. max.
	260 nm	0.011 a.u.
	280 nm	0.007 a.u.
Appearance and Color	White / Crystals	0.006 a.u.
Assay	99.0% min.	White / Crystals
Identification (IR)	Passes Test	100.1%
pH (5% Soln.)	5.0 – 6.5	Passes Test
Residue on Ignition	0.2% max.	5.3 @ 24.4 °C
Solubility (5%)	Passes Test	0.2%
		Passes Test

TEST METHOD REFERENCE: DCN: BSI-ATM-0070

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: Amel McCall Date: 11/24/25 Job Title: QA Tech III

Reviewed by: Joan Bligh Date: 11/24/25 Job Title: QA Supervisor

