

TMB 039 – HEPES BUFFER

REF NO: TBL/QA/SS/LC/TMB 039	STANDARD SPECIFICATION FOR HEPES BUFFER	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 039

PRODUCT PROPERTIES

C.A.S Number	50-01-1
Chemical Formula	C ₈ H ₁₈ N ₂ O ₄ S
Formula weight	238.3
Functional Uses	EPES is used as a component of RNA buffer (for gel-filtration chromatography) and transcription buffer (for transcription reaction). It is also used to recapture solution to re-capture RNA exosomes from the glycerol gradient
Standard Packaging	25 gm. 100gm. & 500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (0.1M Soln. 25°C)	5.0 – 6.5
Insoluble matter	Passes filter test
Lead (Pb)	NMT – 0.0005%
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

