

TMB 052 – MES (MONOHYDRATE) [2-(N-MORPHOLINO) ETHANESULPHONIC ACID MONOHYDRATE]

REF NO: TBL/QA/SS/LC/TMB 052	STANDARD SPECIFICATION FOR MES (MONOHYDRATE) [2-(N-MORPHOLINO) ETHANESULPHONIC ACID MONOHYDRATE]	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 052

PRODUCT PROPERTIES

C.A.S Number	145224-94-8
Chemical Formula	C ₆ H ₁₃ NO ₄ SH ₂ O
Formula weight	213.25
Functional Uses	MES is used in the preparation of a solution used for the suspension and dilution of protoplasts to measure the density and number of protoplasts using a haemocytometer
Standard Packaging	25 gm. & 100 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Ash	NMT – 0.05%
Chloride (Cl)	NMT - 0.005%
Sulphate (SO ₄)	NMT – 0.005%
Lead (Pb)	NMT – 0.0005%
Assay	NLT – 99.0%
DNase, RNase	None detected

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