

TMB 046 – MAGNESIUM SULPHATE (HEPTA), MOLECULAR BIOLOGY GRADE

REF NO: TBL/QA/SS/LC/TMB 046	STANDARD SPECIFICATION FOR MAGNESIUM SULPHATE (HEPTA), MOLECULAR BIOLOGY GRADE	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 046

PRODUCT PROPERTIES

C.A.S Number	10034-99-8
Chemical Formula	MgSO ₄ .7H ₂ O
Formula weight	246.47
Functional Uses	Magnesium sulfate heptahydrate is used in the preparation of maceration solution for Lamb's lettuce cell isolation and isotonic glucose buffer
Standard Packaging	500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colourless crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1% Aq. Sol. At 25°C)	5.0 – 8.0
Iron (Fe)	NMT – 0.0001%
Sodium (Na)	NMT – 0.001%
Chloride (Cl)	NMT – 0.0005%
Lead (Pb)	NMT – 0.0005%
DNases/RNases	None detected
Assay	NLT – 99.5%

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

