

TMB 077 – TRICINE

REF NO: TBL/QA/SS/LC/TMB 077	STANDARD SPECIFICATION FOR TRICINE	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 077

PRODUCT PROPERTIES

C.A.S Number	5704-04-1
Chemical Formula	C ₆ H ₁₃ NO ₅
Formula weight	1879.17
Functional Uses	Tricine is used as a buffer component for separation of low molecular weight peptides.
Standard Packaging	100 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	Clear, colorless solution.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (0.5 M at 25°C)	4.5 – 6.0
Loss on Drying (at 110°C)	NMT – 0.5%
Chloride (Cl)	NMT – 0.05%
Sulphate (SO ₄)	NMT – 0.005%
Lead (Pb)	NMT – 0.0005%
Ash (as SO ₄)	NMT – 0.05%
DNase/ RNase	None detected
Assay	NLT – 99.5%

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