

486 – TRIS-BUFFER, EXTRA PURE (TRIS HYDROMETHYL AMINOMETHANE)

REF NO: TBL/QA/SS/LC/486	STANDARD SPECIFICATION FOR TRIS-BUFFER, EXTRA PURE (TRIS HYDROMETHYL AMINOMETHANE)	Rev. No: 03
Issue No: 04		Review Date: 12/11/2024
Issue Date:13/11/2021		Product code: 486

PRODUCT PROPERTIES

C.A.S Number	77-86-1
Chemical Formula	C ₄ H ₁₁ NO ₃
Formula weight	121.14
Functional Uses	Tris-Buffer used as a biological buffer substance in the pH range of 7-9. It is used for the freezing of proteins.
Standard Packaging	100 gm., 500 gm. & 25 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	Freely soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (10% Soln.)	10.5 – 11.5
Melting point	168 – 172°C
Chloride (Cl)	NMT – 0.005%
Sulphate (SO ₄)	NMT-0.005%
Ash	NMT – 0.1%
Assay	NLT – 99.0%

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

