

TMB 080 – TRIS HYDROCHLORIDE

REF NO: TBL/QA/SS/LC/TMB 080	STANDARD SPECIFICATION FOR TRIS HYDROCHLORIDE	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
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PRODUCT PROPERTIES

C.A.S Number	1185-53-1
Chemical Formula	C ₄ H ₁₁ NO ₂ HCl
Formula weight	157.6
Functional Uses	The pH values of all buffers are temperature and concentration dependent. For Tris buffers, pH increases about 0.03 unit per °C decrease in temperature, and decreases 0.03-0.05 unit per ten-fold dilution. For precise applications, use a carefully calibrated pH meter with a glass/calomel combination electrode.
Standard Packaging	100 gm. 500 gm. & 1 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Moisture	NMT – 0.5%
Ash	NMT – 0.01%
Iron (Fe)	NMT – 0.0005%
Sulphate (SO ₄)	NMT – 0.005%
Potassium (K)	NMT – 0.005%
DNases/RNases	None detected
Assay	NLT – 99.0%

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

