

TMB 079 – TRIS, FREE BASE (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 079	STANDARD SPECIFICATION FOR TRIS, FREE BASE (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 079

PRODUCT PROPERTIES

C.A.S Number	77-86-1
Chemical Formula	$C_4H_{11}NO_3$
Formula weight	121.14
Functional Uses	Tris (tris base) is primarily used in molecular biology to make buffer solutions or act as a basic buffer.
Standard Packaging	100gm, 500 gm, 1kg, 5kg

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%
Sulphated Ash	NMT – 0.05%
DNases/ RNases	None Detected
Assay	NLT – 99.0%

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