

## 487 – TRIS, 99.9%+ PURITY

REF NO: TBL/QA/SS/LC/487	STANDARD SPECIFICATION, FOR TRIS, 99.9%+ PURITY	Rev. No: 03
Issue No: 04		Review Date: 09/11/2024
Issue Date:10/11/2021		Product code:487

### PRODUCT PROPERTIES

C.A.S Number	77-86-1
Chemical Formula	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>
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., 500gm & 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 <sub>4</sub> )	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.

