

SPECIFICATION

Product Name: TRIS USP/EP

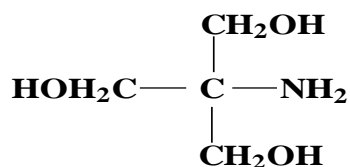
Chemical Name: Tris- (Hydroxymethyl)-aminomethane

CAS NO: 77-86-1

Molecular Formula: C₄H₁₁NO₃

Molecular Weight: 121.14

Structure:



Specification :

● Assay (Titration, dried basis)	99.0-100.5%
● Appearance	White Crystal Powder
● Identity by USP (A、B、C)	Pass
● Identity by EP (B、C)	Pass
● Solubility (40% w/w in H ₂ O)	Complete and Colorless
● Melting Point	168-172°C
● pH (5% in H ₂ O)	10.0-11.5
● LOD	≤0.5%
● Sulfated Ash	≤0.1%
● Related Substance (TLC)	≤1.0 %
● Heavy metals (as Pb)	≤10 ppm
● Fe	≤5 ppm
● Cl content	≤10 ppm
● UV (40% w/w in H ₂ O) A290nm	≤0.1
● UV (10% w/w in H ₂ O) A260nm	≤0.03
● UV (10% w/w in H ₂ O) A280nm	≤0.02
● UV (10% w/w in H ₂ O) A430nm	≤0.004
● Endotoxin	≤0.03 EU/mg
● ROI (Residue on Ignition)	≤0.1%
● Insoluble matter (in water)	≤0.005% wt