

**SPECIFICATION**

PRODUCT NAME: Tris Ultrapure  
CAS NO.: 77-86-1  
FORMULA: C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>  
FORMULA WEIGHT: 121.1

**Properties:**

Appearance  
Purity (Assay by titration)  
Absorbance (40% aq, 290nm)  
Absorbance (1M aq, 260nm)  
Absorbance (1M aq, 280nm)  
Identity  
Insoluble Matter  
Loss on Drying (3 hours @ 105°C)  
Melting Point  
pH (1M aq @ 25°C)  
pKa (@ 20°C)  
Residue on Ignition  
Solubility (1M aq @ 20°C)  
Heavy Metals (as Pb)  
Iron (Fe)  
Chloride (Cl)  
European Pharmacopoeia

**Specification:**

White crystalline powder  
99.90 – 100.5 wt%  
≤ 0.10  
≤ 0.050  
≤ 0.060  
IR Conforms  
≤ 0.005 wt%  
≤ 0.2 wt%  
170.0 ± 2.0°C  
10.5 to 11.5  
8.0 to 8.4  
≤ 0.1 wt%  
Clear, Colorless)  
≤ 1 ppm  
≤ 1 ppm  
≤ 5ppm  
complies