

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Tris(hydroxymethyl)aminomethane**
Specifications & Purity: EP, USP, for cell culture test, $\geq 99.9\%$ (T)
SKU #: **T110598**

Parameter	Limit Values
Loss on drying(EP)	0-0.5 (%)
Melting point	168-172 (°C)
Ignition Residue(Ash)	0-0.1 (%)
Water by Karl Fischer	0-0.2 (%)
Iron(Fe)(ICP)	0-1 (ppm)
Purity (Titration by H2SO4)	99.7-100.3 (%)
Heavy metal (as Pb)	0-2 (ppm)
PH(5% in water)	10-11.5
UV Absorbance 280nm(40%,H2O)	0-0.4
UV Absorbance 290nm(40%,H2O)	0-0.4
UV Absorbance 260nm(40%,H2O)	0-0.4
Appearance (T110598)	White to Off-White Solid, Powder, or Crystals
Identity Test B (USP)	Pass
Identity Test C (USP)	Pass
Infrared spectrum	Conforms to Structure
Related substances	Pass
Solubility in H2O , clear colorless , 200g plus 300ml of water	pass
Loss on Drying(USP)	≤ 1 (%)
Solubility in 2.5 g plus 50 ml of CO2-Free H2O (EP),colorless ,clear	Pass
Identity Test A (USP)	Pass
Chloride (Cl-)	≤ 100 (ppm)
DNAse, Exonuclease Detection	None Detected
NICKase,Endonuclease Detection	none Detected
RNAse Detection	None Detected
Protease Detection	None Detected
Endotoxin Level	< 1 (EU/mg)
Total Count Aerobic, Yeast, plus Mold	≤ 100 (cfu/g)
Cell Culture Test	pass