

## Specification Sheet

**Product Name:** **Tris(hydroxymethyl)aminomethane hydrochloride**  
**Specifications & Purity:** for molecular biology and cell culture, ≥99.0%(AT)  
**SKU #** **T105291**

Parameter	Limit Values
Sodium(Na)	0-50 (ppm)
UV Absorbance 260nm	0-0.06
Loss on drying	0-0.2 (%)
Calcium(Ca)	0-10 (ppm)
Zinc(Zn)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Ignition Residue (as sulfate)	0-0.2 (%)
PH(25 °C, 4 M in Water)	2.5-4
Strontium(Sr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
UV Absorbance 290nm	0-0.05
Aluminum(Al)	0-5 (ppm)
useful PH range	7-9
Manganese(Mn)	0-5 (ppm)
Cadmium(Cd)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
Nickel(Ni)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
UV Absorbance 280nm	0-0.06
Molybdenum(Mo)	0-5 (ppm)
Chrome(Cr)	0-5 (ppm)
Sulfate(SO42-)	0-50 (ppm)
(As)Arsenic	0-0.1 (ppm)
Magnesium (Mg)	0-5 (ppm)
Lithium(Li)	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
(Pb)Lead	0-5 (ppm)
Appearance (T105291)	White Powder or Crystals
Cell Culture Test	pass
DNases	none detected
Infrared spectrum	Conforms to Structure

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

**Parameter**

Insoluble matter

phosphatases

proteases

Proton NMR spectrum

RNases

Solubility in H<sub>2</sub>O , soluble , 1M , 20°C, clear, colorless

λ,4 M in H<sub>2</sub>O

Assay(Titration by AgNO<sub>3</sub>)

**Limit Values**

pass

none detected

none detected

Conforms to Structure

none detected

pass

Pass

99-102.5 (%)