

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-27 15:40:14  
Date of Next Testing: 2029-11-26 15:40:14  
Product Name: **Tris(hydroxymethyl)aminomethane (Tris base)**  
CAS Number: 77-86-1  
Specifications & Purity:  $\geq 99.9\%$ (T), Primary Standard and Buffer  
Lot #: K2517006  
SKU #: **T110599**  
Version: **0**  
Analysis #: **611688**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	1.00000 ppm
Iron(Fe)	0-1 (ppm)	0.50000 ppm
Water by Karl Fischer	0-0.2 (%)	0.01000 %
Melting point	168-172 (°C)	171.05000 °C
Purity (Titration by H <sub>2</sub> SO <sub>4</sub> )	99.7-100.3 (%)	100.28000 %
UV Absorbance 290nm(40%,H <sub>2</sub> O)	0-0.5	0.03800
Appearance (T110599)	White crystalline powder, Crystals, Granules and/or Chunks	White crystalline powder, Crystals, Granules and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear colorless , 200g pass plus 300ml of water		Pass



John Su  
QA & QC Manager