

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-23 10:43:41  
Date of Next Testing: 2028-09-22 10:43:41  
Product Name: **Tris(hydroxymethyl)aminomethane**  
CAS Number: 77-86-1  
Specifications & Purity: Primary Standard and Buffer,  $\geq 99.9\%$  (titration)  
Lot #: I2411421  
SKU #: **T110599**  
Version: **0**  
Analysis #: **414298**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	1.00 ppm
Iron(Fe)	0-1 (ppm)	0.30 ppm
Water by Karl Fischer	0-0.2 (%)	0.07 %
Melting point	168-172 (°C)	170.10000 °C
Purity (Titration by H <sub>2</sub> SO <sub>4</sub> )	99.7-100.3 (%)	100.06 %
UV Absorbance 290nm(40%,H <sub>2</sub> O)	0-0.5	0.07
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