

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-07 15:45:07
 Date of Next Testing: 2028-12-06 15:45:07
 Product Name: **Tris(hydroxymethyl)aminomethane**
 CAS Number: 77-86-1
 Specifications & Purity: $\geq 99.9\%$ (T), Primary Standard and Buffer
 Lot #: L2404671
 SKU #: **T110599**
 Version: **0**
 Analysis #: **445658**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	0.00 ppm
Iron(Fe)	0-1 (ppm)	0.00 ppm
Water by Karl Fischer	0-0.2 (%)	0.02 %
Melting point	168-172 (°C)	171.03000 °C
Purity (Titration by H ₂ SO ₄)	99.7-100.3 (%)	99.98 %
UV Absorbance 290nm(40%,H ₂ O)	0-0.5	0.09
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 ₂ O , clear colorless , 200g pass plus 300ml of water		Pass



John Su
QA & QC Manager