

## Certificate of Analysis

Date of Testing: 2024-09-21 10:09:47

Date of Next Testing: 2028-09-20 10:09:47

Product Name: **Tris(hydroxymethyl)aminomethane**

CAS Number: 77-86-1

Specifications & Purity: Primary Standard and Buffer, ≥99.9% (titration)

Lot #: I2411422

SKU #: **T110599**

Version: **0**

Analysis #: **412913**

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 H2SO4)	99.7-100.3 (%)	100.06 %
UV Absorbance 290nm(40%,H2O)	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 H2O , clear colorless , 200g pass plus 300ml of water		Pass



John Su  
QA & QC Manager