

## Certificate of Analysis

Date of Testing: 2022-03-31 19:09:16

Date of Next Testing: 2026-03-30 19:09:16

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

CAS Number: 77-86-1

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

Lot #: C2224231

SKU #: **T110599**

**Analysis: 086022**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	1.10 ppm
Iron(Fe)	0-1 (ppm)	0.45 ppm
Water by Karl Fischer	0-0.2 (%)	0.12 %
Melting point	168-172 (°C)	170.90000 °C
Purity (Titration by H2SO4)	99.7-100.3 (%)	100.01 %
UV Absorbance 290nm(40%,H2O)	0-0.5	0.03
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