

## Certificate of Analysis

Date of Testing: 2023-08-01 16:10:14

Date of Next Testing: 2027-07-31 16:10:14

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

CAS Number: 77-86-1

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

Lot #: G2324174

SKU #: **T110599**

**Analysis:** **258513**

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 (%)	0.11 %
Melting point	168-172 (°C)	170.85000 °C
Purity (Titration by H2SO4)	99.7-100.3 (%)	99.71 %
UV Absorbance 290nm(40%,H2O)	0-0.5	0.06
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