

Certificate of Analysis

Date of Testing: 2023-11-15 16:26:12

Date of Next Testing: 2027-11-14 16:26:12

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

CAS Number: 77-86-1

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

Lot #: K2307120

SKU #: **T110599**

Analysis: **295846**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	1.06 ppm
Iron(Fe)	0-1 (ppm)	0.23 ppm
Water by Karl Fischer	0-0.2 (%)	0.18 %
Melting point	168-172 (°C)	170.64000 °C
Purity (Titration by H2SO4)	99.7-100.3 (%)	99.87 %
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