

Certificate of Analysis

Date of Testing: 2025-02-11 10:42:55

Date of Next Testing: 2029-02-10 10:42:55

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

CAS Number: 77-86-1

Specifications & Purity: $\geq 99.9\%$ (T), Primary Standard and Buffer

Lot #: B2506673

SKU #: **T110599**

Version: **0**

Analysis #: **471294**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	1.20 ppm
Iron(Fe)	0-1 (ppm)	0.60 ppm
Water by Karl Fischer	0-0.2 (%)	0.04 %
Melting point	168-172 (°C)	170.13000 °C
Purity (Titration by H ₂ SO ₄)	99.7-100.3 (%)	100.18 %
UV Absorbance 290nm(40%,H ₂ O)	0-0.5	0.05
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