

Certificate of Analysis

Date of Testing: 2024-04-11 11:40:04
Date of Next Testing: 2028-04-10 11:40:04
Product Name: **Tris(hydroxymethyl)aminomethane**
CAS Number: 77-86-1
Specifications & Purity: Primary Standard and Buffer, $\geq 99.9\%$ (titration)
Lot #: C2428099
SKU #: **T110599**
Version: **0**
Analysis #: **339043**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	0.10 ppm
Iron(Fe)	0-1 (ppm)	0.35 ppm
Water by Karl Fischer	0-0.2 (%)	0.11 %
Melting point	168-172 (°C)	171.42000 °C
Purity (Titration by H ₂ SO ₄)	99.7-100.3 (%)	99.93 %
UV Absorbance 290nm(40%,H ₂ O)	0-0.5	0.09
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