

## Certificate of Analysis

Date of Testing: 2023-12-26 13:18:06  
Date of Next Testing: 2027-12-25 13:18:06  
Product Name: **Tris(hydroxymethyl)aminomethane**  
CAS Number: 77-86-1  
Specifications & Purity: ACS, ≥99.8%  
Lot #: L2319101  
SKU #: **T110600**  
**Analysis: 309103**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.18 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
Assay	99.8-100.1 (%)	99.99 %
Water by Karl Fischer	0-2 (%)	0.15 %
Appearance (T110600)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Absorbance	pass test	pass test
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager