

## Certificate of Analysis

Date of Testing: 2024-06-15 09:59:04  
Date of Next Testing: 2028-06-14 09:59:04  
Product Name: **Tris(hydroxymethyl)aminomethane**  
CAS Number: 77-86-1  
Specifications & Purity: ACS, ≥99.8%  
Lot #: F2412381  
SKU #: **T110600**  
Version: **0**  
Analysis #: **369571**

| Parameter                            | Limit Values                                  | Result  |
|--------------------------------------|---|---|
| Heavy metal (as Pb)                  | 0-5 (ppm)                                     | 1.60 ppm                                      |
| Iron(Fe)                             | 0-5 (ppm)                                     | 0.44 ppm                                      |
| Insoluble matter in H <sub>2</sub> O | 0-0.005 (%)                                   | 0.00 %  |
| Assay                                | 99.8-100.1 (%)                                | 99.91 %                                       |
| Water by Karl Fischer                | 0-2 (%)                                       | 0.00 %  |
| 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