

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-25 14:14:25
Date of Next Testing: 2028-05-24 14:14:25
Product Name: **Tris(hydroxymethyl)aminomethane**
CAS Number: 77-86-1
Specifications & Purity: Primary Standard and Buffer, $\geq 99.9\%$ (titration)
Lot #: E2424086
SKU #: **T110599**
Version: **0**
Analysis #: **361789**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|--|--|
| Heavy metal (as Pb) | 0-2 (ppm) | 1.60 ppm |
| Iron(Fe) | 0-1 (ppm) | 0.44 ppm |
| Water by Karl Fischer | 0-0.2 (%) | 0.00 % |
| Melting point | 168-172 (°C) | 171.07000 °C |
| Purity (Titration by H ₂ SO ₄) | 99.7-100.3 (%) | 100.17 % |
| 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