

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-30 14:35:47
Date of Next Testing: 2024-06-29 14:35:47
Product Name: **Tris(hydroxymethyl)aminomethane (TRIS, Trometamol)**
CAS Number: 77-86-1
Specifications & Purity: ultrapure
Lot #: F2223407
SKU #: **T274250**
Analysis: 090965
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|-----------------------------------|-----------------------|-----------------------|
| (As)Arsenic | 0-0.0005 (%) | 0.00 % |
| Copper(Cu) | 0-0.0001 (%) | 0.00 % |
| Iron(Fe) | 0-0.0001 (%) | 0.00 % |
| Magnesium(Mg) | 0-0.0005 (%) | 0.00 % |
| Moisture content | 0-1 (%) | 0.11 % |
| UV Absorbance 290nm(40%,H2O) | 0-0.2 | 0.06 |
| UV Absorbance 400nm(40%,H2O) | 0-0.05 | 0.01900 |
| UV Absorbance 280nm(at 1M in H2O) | 0-0.5 | 0.03 |
| Insoluble matter | 0-0.005 (%) | 0.00 % |
| Lead(Pb) | 0-0.0001 (%) | 0.00 % |
| Melting point | 168-172 (°C) | 170.77000 °C |
| PH (5%, water) 25 °C | 10-11.5 | 10.64 |
| Purity (Titration by H2SO4) | 99.7-100.3 (%) | 100.27 % |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility (10%, Water) | Pass | Pass |



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager