

## Certificate of Analysis

Date of Testing: 2023-01-03 09:34:31  
 Date of Next Testing: 2025-01-02 09:34:31  
 Product Name: **Tris(hydroxymethyl)aminomethane (TRIS, Trometamol)**  
 CAS Number: 77-86-1  
 Specifications & Purity: ultrapure  
 Lot #: L2220333  
 SKU #: **T274250**  
**Analysis: 158300**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
UV Absorbance 290nm(40%,H2O)	0-0.2	0.03
UV Absorbance 400nm(40%,H2O)	0-0.05	0.00200
UV Absorbance 280nm(at 1M in H2O)	0-0.5	0.00
(As)Arsenic	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0001 (%)	0.00 %
Insoluble matter	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.0001 (%)	0.00 %
Lead(Pb)	0-0.0001 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Melting point	168-172 (°C)	171.58000 °C
Moisture content	0-1 (%)	0.10 %
Purity (Titration by H2SO4)	99.7-100.3 (%)	99.91 %
PH (5%, water) 25 ° C	10-11.5	10.95
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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager