

## Certificate of Analysis

Date of Testing: 2022-09-15 11:59:23  
Date of Next Testing: 2024-09-14 11:59:23  
Product Name: **Tris(hydroxymethyl)aminomethane (TRIS, Trometamol)**  
CAS Number: 77-86-1  
Specifications & Purity: ultrapure  
Lot #: I2208128  
SKU #: **T274250**  
**Analysis: 118177**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
UV Absorbance 280nm(at 1M in H2O)	0-0.5	0.02
(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)	170.61000 °C
Moisture content	0-1 (%)	0.33 %
PH (5%, water) 25 ° C	10-11.5	10.81
Purity (Titration by H2SO4)	99.7-100.3 (%)	99.91 %
UV Absorbance 290nm(40%,H2O)	0-0.2	0.04
UV Absorbance 400nm(40%,H2O)	0-0.05	0.01000
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