

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-18 17:54:05
 Date of Next Testing: 2028-07-17 17:54:05
 Product Name: **Tris(hydroxymethyl)aminomethane (Tris base)**
 CAS Number: 77-86-1
 Specifications & Purity: UltraBio™, Ultra pure, ≥99.9%(T), pH 10.5-12.0 (1 M in H₂O)
 Lot #: G2511101
 SKU #: **T434098**
 Version: **1**
 Analysis #: **284225**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
pH (1M in H ₂ O)	10.5-12.0	11.09000
Loss on drying(110°C)	0-0.5 (%)	0.03960 %
Residue on ignition(Ash)(SO ₄ , 900 °C)	0-0.01 (%)	0.00000 %
Insoluble matter	0-0.005 (%)	0.00000 %
Arsenic(As)	0-0.0001 (%)	0.00000 %
Chloride (Cl ⁻)	0-0.005 (%)	0.00000 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00000 %
Aluminum(Al)	0-0.0005 (%)	0.00000 %
Bismuth(Bi)	0-0.0005 (%)	0.00050 %
Lead(Pb)	0-0.0005 (%)	0.00000 %
Cadmium(Cd)	0-0.0005 (%)	0.00000 %
Cobalt(Co)	0-0.0005 (%)	0.00000 %
Copper(Cu)	0-0.0005 (%)	0.00000 %
Strontium(Sr)	0-0.0005 (%)	0.00000 %
Zinc(Zn)	0-0.0005 (%)	0.00000 %
Barium(Ba)	0-0.0005 (%)	0.00000 %
Potassium(K)	0-0.005 (%)	0.00000 %
Assay(Titration)	99.9-102.5 (%)	99.91000 %
Appearance(T434098)	White Crystalline Powder	white crystalline powder
Solubility,1M in H ₂ O at 20 deg C,Colorless,clear	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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

John Su
QA & QC Manager