

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-02 16:20:32
 Date of Next Testing: 2028-03-22 16:20:32
 Product Name: **Tris(hydroxymethyl)aminomethane (Tris base)**
 CAS Number: 77-86-1
 Specifications & Purity: Suitable for molecular biology, ≥99.9%(T)
 Lot #: C2631436
 SKU #: **T110601**
 Version: **1**
 Analysis #: **679922**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Molybdenum(Mo)	0-5 (ppm)	0.32500 ppm
UV Absorbance 280nm (4 M in H ₂ O)	0-0.08	0.07000
UV Absorbance 260nm (4 M in H ₂ O)	0-0.1	0.09300
Ignition Residue (as sulfate)	0-0.01 (%)	0.00100 %
Sodium(Na)	0-50 (ppm)	1.63500 ppm
Chromium(Cr)	0-5 (ppm)	0.25300 ppm
Iron(Fe)	0-5 (ppm)	0.03100 ppm
Sulfate(SO ₄ ²⁻)	0-5 (ppm)	0.00000 ppm
(Pb)Lead	0-5 (ppm)	0.02520 ppm
Nickel(Ni)	0-5 (ppm)	0.01520 ppm
Chloride (Cl ⁻)	0-20 (ppm)	0.00100 ppm
Lithium(Li)	0-5 (ppm)	0.32500 ppm
Strontium(Sr)	0-5 (ppm)	0.04150 ppm
Cadmium(Cd)	0-5 (ppm)	0.03620 ppm
Magnesium(Mg)	0-5 (ppm)	0.21580 ppm
pH	10.5-12	10.94000
Potassium(K)	0-50 (ppm)	0.53600 ppm
Loss on drying	0-0.5 (%)	0.00100 %
Bismuth(Bi)	0-5 (ppm)	0.32500 ppm
(As)Arsenic	0-0.1 (ppm)	0.01420 ppm
Barium(Ba)	0-5 (ppm)	0.02520 ppm
Zinc(Zn)	0-5 (ppm)	0.03620 ppm
Copper(Cu)	0-5 (ppm)	0.03620 ppm
Cobalt(Co)	0-5 (ppm)	0.00100 ppm
Aluminum(Al)	0-5 (ppm)	0.31400 ppm

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
Calcium(Ca)	0-10 (ppm)	0.41800 ppm
Manganese(Mn)	0-5 (ppm)	0.03620 ppm
useful PH range	7-9	7.50000
Purity (Titration by H2SO4)	99.7-100.3 (%)	99.71000 %
DNases	none detected	none detected
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
pKa	6.8	6.8
proteases	none detected	none detected
RNases	none detected	none detected
Solubility in H2O , soluble , 1M , 20°C, clear, colorless	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager