

Certificate of Analysis

Date of Testing:	2023-11-01 10:14:13
Date of Next Testing:	2026-10-31 10:14:13
Product Name:	Trizma® base
CAS Number:	77-86-1
Specifications & Purity:	BioReagent Plus, pH 10.5-12.0 (1 M in H ₂ O), ≥99.9% (titration)
Lot #:	J2325458
SKU #	T434098
Analysis:	284225

Parameter	Limit Values	Result
pH (1M in H ₂ O)	10.5-12.0	11.09000
Loss on drying(110°C)	0-0.5 (%)	0.04 %
Residue on ignition(Ash)(SO ₄ , 900 °C)	0-0.01 (%)	0.00000 %
Insoluble matter	0-0.005 (%)	0.00 %
Arsenic(As)	0-0.0001 (%)	0.00000 %
Chloride (Cl ⁻)	0-0.005 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Bismuth(Bi)	0-0.0005 (%)	0.00 %
Lead(Pb)	0-0.0005 (%)	0.00 %
Cadmium(Cd)	0-0.0005 (%)	0.00 %
Cobalt(Co)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Strontium(Sr)	0-0.0005 (%)	0.00 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Assay(Titration)	99.9-102.5 (%)	99.91 %
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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager