

Certificate of Analysis

Date of Testing: 2023-04-13 17:18:57

Date of Next Testing: 2026-04-12 17:18:57

Product Name: **Trizma® base**

CAS Number: 77-86-1

Specifications & Purity: ≥99.0% (T)

Lot #: D2307707

SKU #: **T434094**

Analysis: 189065

Parameter	Limit Values	Result
Purity(Titration)(HCl 1M)	99-101 (%)	99.76000 %
Loss on drying	0-1 (%)	0.22 %
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Chromium (ICP)	0-5 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Total sulfur as SO ₄ (ICP)	0-50 (ppm)	0.00 ppm
Chloride (Cl ⁻)	0-50 (ppm)	0.00 ppm
Melting point	168-172 (°C)	171.89000 °C
Appearance(T434094)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Solubility in H ₂ O,clear colorless,1M in Water	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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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