TRIS / TROMETHAMINE

MEETS USP/EP/ACS, LBLE*, LEI**

CAS #: 77-86-1 **Formula: $NH_2C(CH_2OH)_3$** **F.W.: 121.14 g/mol**

TRIS-6250 — BIO QUALIFIED GRADE

ANALYSIS		SPECIFICATIONS
Absorbance (10%)	260 nm 280 nm 430 nm	< = 0.03 a.u. < = 0.02 a.u. < = 0.004 a.u.
Absorbance (40%)	280 nm 290 nm 400 nm 430 nm	< = 0.06 a.u. < = 0.20 a.u. < = 0.02 a.u. < = 0.03 a.u.
APHA Color (20% Solution)		< = 20 APHA
Appearance of Solution		Passes Test
Assay, Dried Basis		99.9 – 100.1%
Chloride		< = 2 ppm
Endotoxin		< = 2.5 EU/g
Heavy Metals		< = 5 ppm
Identification, IR (USP-A/EP-C)		Conforms to Reference Standard
Identification A (EP), pH (5%) (USP/EP)		10.0 – 11.5
Identification B (EP), Melting Range (USP)		168 - 172°C
Identification C (USP/EP)		Passes Test
Identification D (EP)		Passes Test
Insoluble Matter		< = 0.005%
Loss on Drying		< = 0.5%
Microbial Content	TAMC TYMC	< 10 CFU/g < 10 CFU/g
Related Substances		< = 1.0%
Residue on Ignition/Sulfated Ash		< = 0.1%
Residual Solvents	Methanol Nitromethane	< = 300 ppm < = 50 ppm

ANALYSIS		SPECIFICATIONS
Sulfate		< = 5 ppm
Trace Metals	Aluminum (Al)	< = 5 ppm
	Antimony (Sb)	< = 0.5 ppm
	Arsenic (As)	< = 0.5 ppm
	Barium (Ba)	< = 5 ppm
	Bismuth (Bi)	< = 0.5 ppm
	Cadmium (Cd)	< = 0.5 ppm
	Calcium (Ca)	< = 10 ppm
	Chromium (Cr)	< = 5 ppm
	Cobalt (Co)	< = 0.5 ppm
	Copper (Cu)	< = 0.5 ppm
	Iron (Fe)	< = 1 ppm
	Lead (Pb)	< = 0.5 ppm
	Lithium (Li)	< = 5 ppm
	Magnesium (Mg)	< = 5 ppm
	Manganese (Mn)	< = 5 ppm
	Mercury (Hg)	< = 0.5 ppm
	Molybdenum (Mo)	< = 0.5 ppm
	Nickel (Ni)	< = 5 ppm
	Potassium (K)	< = 50 ppm
	Silver (Ag)	< = 0.5 ppm
	Sodium (Na)	< = 50 ppm
	Strontium (Sr)	< = 5 ppm
	Tin (Sn)	< = 0.5 ppm
	Zinc (Zn)	< = 5 ppm
Water, KF		< = 0.2%

*Low Bioburden, Low Endotoxin

**Low Elemental Impurities

Refer to page 2 for additional product details.

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BIOBUFFER SOLUTIONS

PROCESS CHEMICAL

ISO CERTIFIED QUALITY MANAGEMENT SYSTEM

General Product Overview

Tris/Tromethamine is commonly used as a buffer in upstream biological and pharmaceutical manufacturing applications. Tris is considered a Good's buffer because it has low UV absorptivity, minimal reactivity, stable pH and is soluble in water.

Industry Application

Suitable for use as a cGMP chemical in pharmaceutical manufacturing processes and biological/biotech process applications from R&D through scale cGMP production.

Key Product Features

- Appears as a white crystalline powder
- Manufactured in accordance with the ISO Certified Quality Management System
- Manufactured in an enzyme free, hormone free and animal free environment
- Contains no known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: Trometamol; THAM; Tris (Hydroxyethyl) Aminomethane; Trisaminol; Trismethylolaminomethane; 2-Amino-2 (Hydroxymethyl) propane-1,2-diol

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Please inquire for more information regarding shelf-life.

Package Sizes

1kg, 5kg, 10kg, 25kg, 50kg

Click here to view SDS, CoAs and other supporting regulatory documents on our website.

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