

TRIS / TROMETHAMINE

MEETS USP/EP/JPC/ChP, BET*

CAS #: 77-86-1

Formula: $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$

F.W.: 121.14 g/mol

TRIS-6251
BIO QUALIFIED GRADE

ANALYSIS		SPECIFICATIONS
Absorbance (1M)	260 nm	< = 0.06 a.u.
	280 nm	< = 0.05 a.u.
	300 nm	< = 0.01 a.u.
Absorbance (10%)	260 nm	< = 0.03 a.u.
	280 nm	< = 0.02 a.u.
	430 nm	< = 0.004 a.u.
Absorbance (40%)	280 nm	< = 0.06 a.u.
	290 nm	< = 0.2 a.u.
	400 nm	< = 0.02 a.u.
APHA Color (20% Solution)		< = 20 APHA
Appearance of Solution		Passes Test
Assay, Dried Basis		> = 99.9%
Chloride		< = 100 ppm
Clarity and Color of Solution		Passes Test
Endotoxin		< = 2.5 EU/g
Identification, IR (USP-A/EP-C/ChP-3)		Conforms to Reference Standard
Identification A (EP), Alkalinity (ChP), pH (5%) (USP/EP)		10.0 – 11.5
Identification A (JPC)		Passes Test
Identification B (USP/ChP-1)		Passes Test
Identification B (EP), Melting Range (USP/ChP/JPC)		168-172°C
Identification B (JPC)		Passes Test
Identification C (USP)		Passes Test
Identification D (EP/ChP-2)		Conforms to Reference Standard
Insoluble Matter		< = 0.005%
Loss on Drying		< = 0.3%
Microbial Content	TAMC	< 50 CFU/g
	TYMC	< 50 CFU/g

ANALYSIS		SPECIFICATIONS
pH (1 in 100)		10.3 – 10.7
Related Substances		< = 0.10%
Residue on Ignition / Sulfated Ash		< = 0.05%
Residual Solvents	Methanol	< = 300 ppm
	Nitromethane	< = 50 ppm
Solubility		Clear and Complete Passes Test
Trace Metals	Solubility (10%)	
	Solubility (40%)	
	Arsenic (As)	< = 1.6 ppm
	Barium (Ba)	< = 5 ppm
	Bismuth (Bi)	< = 5 ppm
	Cadmium (Cd)	< = 5 ppm
	Calcium (Ca)	< = 1 ppm
	Chromium (Cr)	< = 5 ppm
	Cobalt (Co)	< = 5 ppm
	Copper (Cu)	< = 1 ppm
	Iron (Fe)	< = 5 ppm
	Lead (Pb)	< = 5 ppm
	Magnesium (Mg)	< = 1 ppm
	Manganese (Mn)	< = 1 ppm
	Molybdenum (Mo)	< = 5 ppm
	Nickel (Ni)	< = 5 ppm
	Potassium (K)	< = 50 ppm
	Zinc (Zn)	< = 5 ppm
Water, KF		< = 0.2%

*Bioburden and Endotoxin Tested

Refer to page 2 for additional product details.

This is not considered a controlled document. We are not responsible for any errors or omissions, and the user is responsible for any decisions based on the information herein.

General Product Overview

Tris/Tromethamine is commonly used as a buffer and excipient in downstream biological applications during the manufacture of drug products. 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 product
- 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 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.](#)

This is not considered a controlled document. We are not responsible for any errors or omissions, and the user is responsible for any decisions based on the information herein.