

TRIS

MEETS USP, EP, BET*

CAS #: 77-86-1

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

F.W.: 121.14 g/mol

TRIS-6252**BIO QUALIFIED GRADE**

ANALYSIS		SPECIFICATIONS
Absorbance (40%)	290 nm	< = 0.2 a.u.
Appearance and Color		White Crystalline
Appearance of Solution (EP)		Passes Test
Assay, Dried Basis (USP/EP)		99.5 – 101.0%
Chloride (EP)		< = 100 ppm
Endotoxin (EP)		< = 2.5 EU/g
Identification, IR (USP-A/EP-C)		Conforms to Reference Standard
Identification A (EP), pH (5%)		10.0 – 11.5
Identification B (USP)		Passes Test
Identification B (EP), Melting Range (USP)		168 - 172°C
Identification C (USP)		Passes Test
Identification D (EP)		Conforms to Reference Standard
Insoluble Matter		< = 0.005%
Loss on Drying (USP/EP)		< = 0.5%
Microbial Content	TAMC	< 50 CFU/g
	TYMC	< 50 CFU/g
Related Substances		< = 1.0%
Residue on Ignition/Sulfated Ash (USP/EP)		< = 0.1%
Trace Metals	Iron (Fe)	< = 10 ppm
	Lead (Pb)	< = 10 ppm
	Nickel (Ni)	< = 5 ppm
Water, KF (USP)		< = 0.3%

*Bioburden and Endotoxin Tested

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)

General Product Overview

Tromethamine (Tris) 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; Trismethylaminomethane; 2-Amino-2 (Hydroxymethyl) propane-1,2-diol; Tromethamine

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

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