

TRIS/TROMETHAMINE

USP, GMP

CAS #: 77-86-1

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

F.W.: 121.14 g/mol

TRIS-4224

BIO PHARMA GRADE

ANALYSIS	SPECIFICATIONS
Appearance and Color	White Crystals
Assay, Dried Basis (USP)	99.0 – 101.0%
Identification A, IR (USP)	Conforms to Reference Standard
Identification B (USP)	Passes Test
Identification C (USP)	Passes Test
Loss on Drying (USP)	$\leq 1.0 \%$
Melting Range (USP)	168 – 172°C
pH (5%) (USP)	10.0 – 11.5
Residue on Ignition (USP)	$\leq 0.1\%$

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.

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

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

- The manufacturing of Tris/Tromethamine, Tris-4224 is performed at BioSpectra's Stroudsburg, PA facility.
- Appears as a white crystalline product
- Manufactured in accordance with IPEC
- 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: Tris(hydroxymethyl) aminomethane; Trometamol; THAM; Trisaminol

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

10kg, 25kg and 50kg

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