

# TRIS / TROMETHAMINE

## MEETS USP/EP

CAS #: 77-86-1

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

F.W.: 121.14 g/mol

**TRIS-6201**
**BIO QUALIFIED GRADE**

| ANALYSIS                                   |           | SPECIFICATIONS                 |
|--------------------------------------------|-----------|--------------------------------|
| Absorbance (40%)                           | 290nm     | < = 0.2 a.u.                   |
| Appearance and Color                       |           | White Crystalline Powder       |
| Appearance of Solution                     |           | Passes Test                    |
| Assay, Dried Basis                         |           | 99.5 – 101.0%                  |
| Chloride                                   |           | < = 100 ppm                    |
| Identification, IR (USP-A/EP-C)            |           | Conforms to Reference Standard |
| Identification A (EP), pH (5%) (USP/EP)    |           | 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                             |           | < = 0.5%                       |
| Related Substances                         |           | < = 1.0%                       |
| Residue on Ignition/Sulfated Ash           |           | < = 0.1%                       |
| Trace Metals                               | Iron (Fe) | < = 10 ppm                     |
|                                            | Lead (Pb) | < = 10 ppm                     |
| Water, KF                                  |           | < = 0.3%                       |

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

### 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 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 information regarding shelf-life.

### Package Sizes

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

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