BIO BUFFER SOLUTIONS

PROCESS CHEMICAL

ISO CERTIFIED QUALITY MANAGEMENT SYSTEM

TRIS / TROMETHAMINE

MEETS USP/EP/JPC/ChP

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

TRIS-6202

BIO QUALIFIED GRADE

ANALYSIS	SPECIFICATIONS
Appearance of Solution	Passes Test
Assay, Dried Basis	99.0 – 100.5%
Chloride	< = 100 ppm
Clarity and Color of Solution	Passes Test
Heavy Metals (Pb)	< = 8 ppm
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/JPC/ChP)	168 – 172°C
Identification B (JPC)	Passes Test
Identification C (USP)	Passes Test
Identification D (EP/ChP-2)	Conforms to Reference Standard
Loss on Drying	< = 0.5%
pH (1 in 100)	10.3 – 10.7
Related Substances	< = 1.0%
Residue on Ignition/Sulfated Ash	< = 0.1%
Trace Metals — Arsenic (As)	<= 1.6 ppm
Trace Metals — Iron (Fe)	< = 10 ppm
Trace Metals — Nickel (Ni)	< = 15 ppm

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 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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