BIOBUFFER SOLUTIONS

PROCESS CHEMICAL

ISO CERTIFIED QUALITY MANAGEMENT SYSTEM

TRIS HYDROCHLORIDE

BET*, ISO GMP

CAS #: 1185-53-1 Formula: $NH_2C(CH_2OH)_3 \cdot HCl$ F.W.: 157.60 g/mol

THCL-6250 **BIO QUALIFIED GRADE**

ANALYSIS		SPECIFICATIONS
Absorbance (1M)	260nm 280nm 400nm	< = 0.06 a.u. < = 0.05 a.u. < = 0.01 a.u.
Appearance and Color		White Crystalline Powder
Assay, Dried Basis (NaOH Titration)		99.5 – 101.0%
Endotoxin		< = 2.5 EU/g
Identification, Chloride		Passes Test
Identification, IR		Conforms to Reference Standard
Loss on Drying		< = 0.5%
Microbial Content	TAMC TYMC	< 50 CFU/g < 50 CFU/g
Melting Range		150 - 153°C
pH (1%)		4.2 – 5.0
pH (0.5M)		3.5 – 5.0
Residual Solvents	Methanol Nitromethane	< = 300 ppm < = 50 ppm
Solubility (1M)		Clear, Colorless Solution
Trace Metals	Arsenic (As) Calcium (Ca) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg)	< = 10 ppm < = 10 ppm < = 10 ppm < = 10 ppm < = 10 ppm < = 10 ppm
Water, KF		< = 1.0%

*Bioburden and Endotoxin Tested

Click here to view SDS, CoAs and other supporting regulatory documents on our website.

General Product Overview

Tris Hydrochloride is a stabilizing buffer in biological applications such as electrochromatography, UV analysis and HPLC. It is used to adjust and stabilize the pH ranges for gels used in electrophoresis applications. Tris Hydrochloride is extensively used as a biological buffer or a component of buffer solutions.

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: 2-Amino-2-(Hydroxymethyl)-1,3-Propanediol Hydrochloride; Tri(Hydroxymethyl) Aminomethane Hydrochloride.

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