BIOBUFFER SOLUTIONS

PROCESS CHEMICAL

ISO CERTIFIED QUALITY MANAGEMENT SYSTEM

TRIS HYDROCHLORIDE

ISO GMP

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

THCL-6201

BIO QUALIFIED GRADE

ANALYSIS		SPECIFICATIONS
Absorbance (1M)	260 nm 280 nm 400 nm	< = 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%
Heavy Metals (Pb)		< = 10 ppm
Identification, IR		Conforms to Reference Standard
Melting Range		150 – 154°C
pH (1%)		4.2 – 5.0
Residual Solvents	Methanol Nitromethane	< = 300 ppm < = 50 ppm
Residue on Ignition		< = 0.1%
Solubility (1M)		Clear, Colorless Solution
Water, KF		< = 0.5%

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

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