BIOSPECTRA
Bulk cGMP Fine Chemical Manufacturer

GMP PROCESS CHEMICAL
IPEC GMP MANUFACTURED PRODUCT

TRIS HYDROCHLORIDE

BET*, GMP

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

THCL-4250

BIO PHARMA 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%
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		< = 0.5%

*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 powder
- 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: 2-Amino-2-(Hydroxymethyl)propane-1,3-diol hydrochloride; Tri(Hydroxymethyl) Aminomethane Hydrochloride

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

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

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