

TRIS HYDROCHLORIDE LBLE

CAS #: 1185-53-1

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

F.W.: 157.60 g/mol

THCL-6250**BIO QUALIFIED GRADE**

ANALYSIS		SPECIFICATIONS
Absorbance (1.0M)	260nm	< = 0.06 a.u.
	280nm	< = 0.05 a.u.
	400nm	< = 0.01 a.u.
Appearance		White Crystalline
Assay, Dried Basis (by Titration 0.1N NaOH)		99.5 – 101.0%
Chloride		Passes Test
Endotoxin		< = 2.5 EU/g
Identification, IR		Conforms to Reference Standard
Loss on Drying at 105 °C		< = 0.5%
Melting Range		150 – 153 °C
Microbial Content	TAMC	< 50 CFU/g
	TYMC	< 50 CFU/g
pH (1.0%)		4.2 – 5.0
pH (0.5M Solution at 25 °C)		3.5 – 5.0
Residual Solvents	Methanol	< = 300 ppm
	Nitromethane	< = 50 ppm
Solubility (1.0M aqueous)		Clear, colorless solution
Trace Metals	Arsenic (As)	< = 10 ppm
	Calcium (Ca)	< = 10 ppm
	Copper (Cu)	< = 10 ppm
	Iron (Fe)	< = 10 ppm
	Lead (Pb)	< = 10 ppm
	Magnesium (Mg)	< = 10 ppm
Water, KF		< = 0.5%

[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

This is not considered a controlled document. We are not responsible for any errors or omissions, and the user is responsible for any decisions based on the information herein.