

TRIS HYDROCHLORIDE

LBLE, LEI, HIGH ASSAY, GMP, EXCIPIENT

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-3260

BIO EXCIPIENT GRADE

ANALYSIS		SPECIFICATIONS
Absorbance (1M)	260 nm	< = 0.06 a.u.
	280 nm	< = 0.06 a.u.
	400 nm	< = 0.01 a.u.
Appearance and Color		White Crystals
Assay, Dried Basis		> = 99.5%
Microbial Content	TAMC	< = 100 CFU/g
	TYMC	< = 100 CFU/g
Endotoxin		< = 2.5 EU/g
Enzymes	DNase	None Detected
	RNase	None Detected
	Protease	None Detected
Identification, IR		Conforms to Reference Standard
Identification, Chloride		Passes Test
Loss on Drying, 105°C		< = 0.5%
Melting Range		150 - 152°C
pH (1%)		4.0 - 5.0
pH (0.5M)		3.5 - 5.0
Residue on Ignition		< = 0.1%
Solubility (35%)		Passes Test
Trace Metals	Arsenic (As)	< = 1 ppm
	Calcium (Ca)	< = 1 ppm
	Copper (Cu)	< = 1 ppm
	Iron (Fe)	< = 1 ppm
	Lead (Pb)	< = 1 ppm
	Magnesium (Mg)	< = 1 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 electro- chromatography, 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 products.

Key Product Features

- The manufacturing of Tris Hydrochloride, THCL-3250 is performed at BioSpectra's Stroudsburg, PA facility.
- Appears as white crystals
- Manufactured in accordance with ICH Q7
- 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

10kg, 25kg and 50kg pails

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