

TRIS HYDROCHLORIDE

HIGH ASSAY

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-5221

BIO ULTRA GRADE

ANALYSIS		SPECIFICATIONS
Absorbance (1M)	260nm	< = 0.06 a.u.
	280nm	< = 0.05 a.u.
Appearance and Color		White Crystalline
Assay, Dried Basis		99.5 – 101.0%
Identification, IR		Conforms to Reference Standard
Melting Range		150 – 154°C
pH (1%)		4.2 – 5.0
Solubility (1M)		Clear, Colorless Solution
Trace Metals	Aluminum (Al)	< = 5 ppm
	Arsenic (As)	< = 2 ppm
	Antimony (Sb)	< = 5 ppm
	Barium (Ba)	< = 5 ppm
	Bismuth (Bi)	< = 5 ppm
	Cadmium (Cd)	< = 5 ppm
	Calcium (Ca)	< = 5 ppm
	Chromium (Cr)	< = 5 ppm
	Cobalt (Co)	< = 5 ppm
	Copper (Cu)	< = 5 ppm
	Gold (Au)	< = 5 ppm
	Iron (Fe)	< = 5 ppm
	Iridium (Ir)	< = 5 ppm
	Lead (Pb)	< = 5 ppm
	Lithium (Li)	< = 5 ppm
	Manganese (Mn)	< = 5 ppm
	Magnesium (Mg)	< = 5 ppm
	Mercury (Hg)	< = 5 ppm
	Molybdenum (Mo)	< = 5 ppm
	Nickel (Ni)	< = 5 ppm
	Potassium (K)	< = 50 ppm
	Silver (Ag)	< = 5 ppm
	Sodium (Na)	< = 50 ppm
	Strontium (Sr)	< = 5 ppm
	Tin (Sn)	< = 5 ppm
	Zinc (Zn)	< = 1 ppm
Water, KF		< = 0.5%

Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale production.

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.

Key Product Features

- Appears as a white crystalline product
- 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/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.](#)