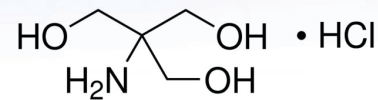


### TRIS HCl

TECHNICAL PRODUCT SHEET

INTENDED FOR USE IN DIAGNOSTIC AND LABORATORY APPLICATIONS

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.



**CAS #:** 1185-53-1

**Molecular Formula:** C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>·HCl

**Solubility in Water (g/L):** 1,010

**F.W.:** 157.60 g/mol

**pH @ 20°C:** 4.5 - 6.0

**Useful pH:** 7.0 - 9.0

**pKa @ 20°C:** 8.2

**BIO ULTRA GRADE / Product Code: THCL-5220** | Previously: TH5220

NH<sub>2</sub>C(CH<sub>2</sub>OH)<sub>3</sub> · HCl · F.W. 157.60 g/mol · CAS#: 1185-53-1

These are general specifications. BioSpectra will customize our products to meet your quality based requirements.

ANALYSIS		SPECIFICATIONS
Absorbance	280 nm	0.07 a.u. max.
Appearance and Color		White / Crystals
Assay		99.0% min.
Identification (IR)		Passes Test
Melting Range		150 - 153 °C
pH (0.5M)		4.0 - 5.0
Residue on Ignition		0.1% max.
Solubility		Passes Test

#### General Product Description:

- Tris Hydrochloride is a White Crystalline product.
- Molecular Formula: C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>·HCl
- Molecular Weight: 157.60 g/mol.
- CAS Number: 1185-53-1.
- Synonyms: 2-Amino-2-(Hydroxymethyl)-1,3-Propanediol Hydrochloride; Tri (Hydroxymethyl) Aminomethane Hydrochloride.



## Intended Use Statement:

Material represented by this grade is suitable to be used only as the following: Quality System Manufactured Process Chemical for use in further manufacturing or as a reagent for laboratory and research. The material represented by this grade is not suitable to be used as an Excipient, Active Pharmaceutical Ingredient, Drug, Drug Product or household item.

## Expiration/Retest Date:

BioSpectra does not assign expiration or retest dates for Bio Ultra Grade materials.

## Storage and Shipping Conditions:

Ship and Store in ambient temperature.

## Package Sizes:

10kg, 25kg and 50kg pails.

