

TRIS HYDROCHLORIDE

HIGH ASSAY, LBLE, GMP

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-4251

BIO PHARMA 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 Crystalline Powder to Needle-Like Crystals		
Assay, Dried Basis	> = 99.0%		
Microbial Content	TAMC	< 50 CFU/g	
	TYMC	< 50 CFU/g	
Endotoxin	< = 2.5 EU/g		
Enzymes	DNase	None Detected	
	RNase	None Detected	
	Protease	None Detected	
Identification, Chloride	Passes Test		
Identification, IR	Conforms to Reference Standard		
Insoluble Matter	< = 0.005%		
Loss on Drying	< = 0.5%		
Melting Range	147 – 152°C		
pH (0.5M)	3.5 – 5.0		
pH (1%)	4.0 – 5.0		
Trace Metals	Arsenic (As)	< = 5 ppm	
	Calcium (Ca)	< = 1 ppm	
	Copper (Cu)	< = 1 ppm	
	Iron (Fe)	< = 1 ppm	
	Lead (Pb)	< = 1 ppm	
	Magnesium (Mg)	< = 5 ppm	
	Manganese (Mn)	< = 1 ppm	
	Zinc (Zn)	< = 1 ppm	
Water, KF	< = 1.0%		

Country of Origin: USA

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

This is an ultra-high purity, reagent grade of Tris Hydrochloride, purified under cGMP conditions. It is suitable for critical applications where high assay, GMP material is required. Tris Hydrochloride is considered a Good's buffer because it has a low UV absorptivity, minimum reactivity, stable pH and it is highly soluble in water.

General Product Description

- Appears as a white crystalline product
- 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
- Visit the product page on our website (www.biospectra.us) for additional information, supporting regulatory documents, and CoAs.

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf Life Policy

Each Certificate of Analysis will contain a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

100g, 500g, 1kg, 5kg, 10kg, 25kg, 50kg

Standard Lead Time

2-4 weeks

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