

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 | < = 100 CFU/g |
| | TYMC | < = 100 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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