

BIS-TRIS

BIOTECH, LBLE, GMP

CAS #: 6976-37-0

Formula: C₈H₁₉NO₅

F.W.: 209.24 g/mol

BTRI-4250

BIO PHARMA GRADE

| ANALYSIS | | SPECIFICATIONS |
|-------------------------------------|----------------|--------------------------------|
| Absorbance (0.1M) | 280 nm | ≤ 0.04 a.u. |
| | 340 nm | ≤ 0.02 a.u. |
| Ammonium (NH ₄) | | ≤ 500 ppm |
| Appearance and Color | | White Crystalline Powder |
| Assay, Dried Basis | | 99.0 - 101.0% |
| Bioburden | TAMC | ≤ 100 CFU/g |
| | TYMC | ≤ 100 CFU/g |
| Chloride | | ≤ 50 ppm |
| Endotoxin | | ≤ 50 EU/g |
| Enzymes | DNase | None Detected |
| | Protease | None Detected |
| | RNase | None Detected |
| Heavy Metals (Pb) | | ≤ 3 ppm |
| Identification, IR | | Conforms to Reference Standard |
| Loss on Drying | | ≤ 1.0% |
| Melting Point | | 100 - 105 °C |
| pH (1% aqueous) | | 8.8 - 9.8 |
| pKa | | 6.3 - 6.7 |
| Residue on Ignition | | ≤ 0.1% |
| Solubility 0.1M in H ₂ O | | Clear and Complete |
| Sulfate | | ≤ 50 ppm |
| Trace Metals | Aluminum (Al) | ≤ 5 ppm |
| | Calcium (Ca) | ≤ 500 ppm |
| | Iron (Fe) | ≤ 3 ppm |
| | Lead (Pb) | ≤ 10 ppm |
| | Phosphorus (P) | ≤ 500 ppm |
| Water, KF | | ≤ 1.0% |

Country of Origin: USA

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

This is a high purity, GMP, Reagent grade product, purified under full cGMP conditions. BIS-TRIS is a zwitterionic biological "Goods" buffer often used in biological pharmaceutical manufacturing and biochemistry for extraction, separation and purification, as well as an intermediate in synthetic reactions for both proteins and nucleic acid. BIS-TRIS is also used as a process aid in peptide synthesis. It can also be used as a scavenger agent for metal ions such as Cu and Pb.

General Product Description

- Appears as a white crystalline powder
- Manufactured under an ICH-Q7 Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- 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: 2,2-Bis(hydroxymethyl)-2,2',2''- nitrile tri ethanol; Bis(2-hydroxyethyl) amino tris (hydroxymethyl)methane
- Visit the product page on our website (www.biospectra.us) for additional information, supporting regulatory documents, and CofAs.

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf Life Policy

Each Certificate of Analysis will contain a 2-year retest/recertification 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

1-2 weeks