

# TRIS Hidrocloruro Biotech

## About this item

**CAS Number:** 1185-53-1

**Formula:**  $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3\cdot\text{HCl}$

**MDL Number:** MFCD00012590

**Melting Pt:** 147...153 °C

**Molecular Weight:** 157.6 g/mol

**Merck Index:** 12,09902

**Density:** 1.05 g/ml (20 °C)

: Management of Change (MOC)  
category = R

**Storage Temperature:** Ambient

**EINECS:** 214-684-5

## Specification Test Results

|                                                                         |             |
|-------------------------------------------------------------------------|-------------|
| Assay ( $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3\cdot\text{HCl}$ ): | ≥99.0 %     |
| Appearance (colorless crystals to white crystalline powder):            | Passes Test |
| Absorbance of a 1M Solution - 260 nm:                                   | ≤0.06       |
| Absorbance of a 1M Solution - 280 nm:                                   | ≤0.06       |
| Absorbance of a 1M Solution - 400 nm:                                   | ≤0.01       |
| Identification (by IR):                                                 | Passes Test |
| Loss on Drying at 105°C:                                                | ≤0.5 %      |
| Endotoxin Concentration (EU/g):                                         | ≤2.5        |

|                                    |              |
|------------------------------------|--------------|
| Melting Point:                     | 147 - 153 °C |
| pH of 0.5M Solution at 25°C:       | 3.5 - 5.0    |
| Trace Impurities - Arsenic (As):   | ≤10 ppm      |
| Trace Impurities - Calcium (Ca):   | ≤10.0 ppm    |
| Trace Impurities - Copper (Cu):    | ≤10 ppm      |
| Trace Impurities - Iron (Fe):      | ≤10 ppm      |
| Trace Impurities - Lead (Pb):      | ≤10 ppm      |
| Trace Impurities - Magnesium (Mg): | ≤10 ppm      |