

## Certificate of Analysis

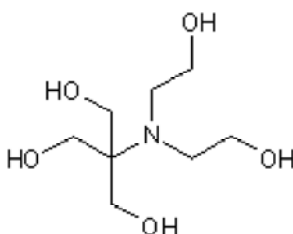
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**Product Name:** BIS-TRIS  
**CAS Number:** 6976-37-0  
**IUPAC Name:** Bis-(2-hydroxyethyl)aminotris(hydroxymethyl)methane

**Catalog No.:** 5216      **Batch No.:** 2  
**EC Number:** 230-237-7

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>8</sub>H<sub>19</sub>NO<sub>5</sub>  
**Batch Molecular Weight:** 209.24  
**Physical Appearance:** White solid  
**Solubility:** water to 2000 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Assay (titration):** 99.5%  
**pH (1M in H<sub>2</sub>O):** 9.6  
**pKa(20°C):** 6.4

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: Bis-(2-hydroxyethyl)aminotris(hydroxymethyl)methane

**Description:**

Commonly used zwitterionic buffer. Working pH range in aqueous solution: 5.8 - 7.2. Used in electrophoresis protocols.

**Physical and Chemical Properties:**

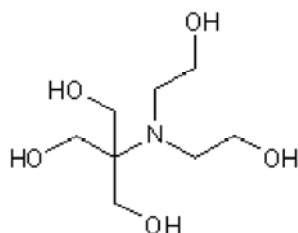
Batch Molecular Formula: C<sub>8</sub>H<sub>19</sub>NO<sub>5</sub>

Batch Molecular Weight: 209.24

Physical Appearance: White solid

**Minimum Purity:** ≥99%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

water to 2000 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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