

Certificate of Analysis

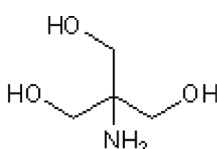
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Product Name: TRIS base
CAS Number: 77-86-1
IUPAC Name: 2-Amino-2-(hydroxymethyl)-1,3-propanediol

Catalog No.: 3163 **Batch No.:** 10
EC Number: 201-064-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄H₁₁NO₃
Batch Molecular Weight: 121.14
Physical Appearance: White crystalline solid
Solubility: water to 3000 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

pH 1M in H₂O: 11.0
DNase/RNase/Protease: Not detected
Assay purity: 99.8%

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

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IUPAC Name: 2-Amino-2-(hydroxymethyl)-1,3-propanediol

Description:

TRIS base is a commonly used laboratory reagent. Highly water soluble. Working pH range 7 - 9. Used in buffer solutions such as Tris-buffered saline (TBS), Tris-acetate-EDTA (TAE) in combination with acetic acid and EDTA (Cat. No. 2811) and Tris-borate-EDTA in combination with boric acid and EDTA.

Physical and Chemical Properties:

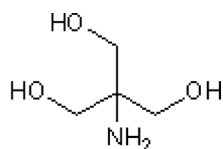
Batch Molecular Formula: C₄H₁₁NO₃

Batch Molecular Weight: 121.14

Physical Appearance: White crystalline solid

Minimum Purity: ≥99.5%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 3000 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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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