

Certificate of Analysis

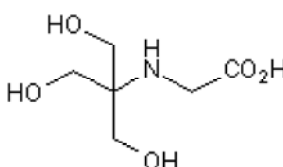
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Product Name: Tricine
CAS Number: 5704-04-1
IUPAC Name: N-[2-Hydroxy-1,1-bis(hydroxymethyl)ethyl]glycine

Catalog No.: 5227 **Batch No.:** 3
EC Number: 227-193-6

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆H₁₃NO₅
Batch Molecular Weight: 179.17
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Assay (Titration): 100%
Moisture: 0.01%
pKa: 7.9
pH (1% in H₂O): 4.9
UV Absorbance (0.1M in H₂O): A₂₆₀ 0.012; A₂₈₀ 0.006

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

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IUPAC Name: N-[2-Hydroxy-1,1-bis(hydroxymethyl)ethyl]glycine

Description:

Electrophoresis buffer. Working pH range: 7.4 - 8.8. Commonly used in SDS-PAGE to separate peptides. Also used in other electrophoresis methods, high performance liquid chromatography and ion exchange chromatography.

Physical and Chemical Properties:

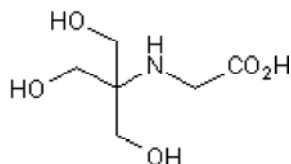
Batch Molecular Formula: C₆H₁₃NO₅

Batch Molecular Weight: 179.17

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 100 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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