

Certificate of Analysis

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Product Name: PIPES, free acid

Catalog No.: 5889

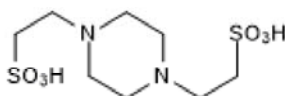
Batch No.: 2

CAS Number: 5625-37-6

IUPAC Name: Piperazine-*N,N'*-bis(2-ethanesulfonic acid)

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈H₁₈N₂O₆S₂
Batch Molecular Weight: 302.4
Physical Appearance: White solid
Solubility: 1M NaOH to 500 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Assay (titration): 99.9%

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

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Batch No.: 2

CAS Number: 5625-37-6

IUPAC Name: Piperazine-*N,N'*-bis(2-ethanesulfonic acid)

Description:

Buffer. Working pH range in aqueous solution: 6.1 - 7.5. Recommended for use in solutions containing metal ions. Commonly used in cell culture media, protein crystalization and gel eletrophoresis.

Physical and Chemical Properties:

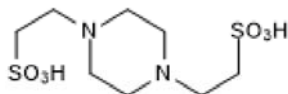
Batch Molecular Formula: C₈H₁₈N₂O₆S₂

Batch Molecular Weight: 302.4

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

1M NaOH to 500 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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