

Certificate of Analysis

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Product Name: MES, free acid

Catalog No.: 5887

Batch No.: 7

CAS Number: 4432-31-9

IUPAC Name: 2-(N-Morpholino)ethanesulfonic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆H₁₃NO₄S.H₂O

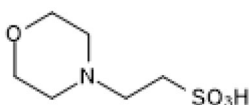
Batch Molecular Weight: 213.26

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

pKa: 6.13

Purity (titration): 99.4%

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

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7

CAS Number: 4432-31-9

IUPAC Name: 2-(N-Morpholino)ethanesulfonic acid

Description:

MES, free acid is a commonly used as a buffer.

Physical and Chemical Properties:

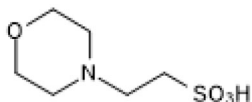
Batch Molecular Formula: C₆H₁₃NO₄S.H₂O

Batch Molecular Weight: 213.26

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. *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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