

Certificate of Analysis

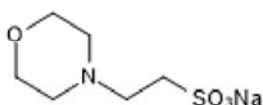
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Product Name: MES sodium salt
CAS Number: 71119-23-8
IUPAC Name: 2-(N-Morpholino)ethanesulfonic acid sodium salt

Catalog No.: 5875 **Batch No.:** 2
EC Number: 275-203-2

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆H₁₂NNaO₄S
Batch Molecular Weight: 217.22
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Assay (titration): 99.76%
pKa: 6.18

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

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Product Information

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Catalog No.: 5875

Batch No.: 2

CAS Number: 71119-23-8

EC Number: 275-203-2

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

Description:

Buffering agent. Working pH range in aqueous solution: 5.5 - 6.7. Used in cell culture, electrophoresis and capillary electrochromatography.

Physical and Chemical Properties:

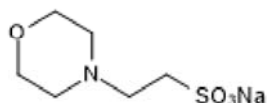
Batch Molecular Formula: C₆H₁₂NNaO₄S

Batch Molecular Weight: 217.22

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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