

Certificate of Analysis

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Product Name: MOPS, sodium salt

Catalog No.: 5877

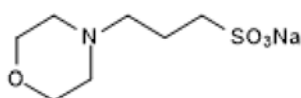
Batch No.: 1

CAS Number: 71119-22-7

IUPAC Name: 3-(N-Morpholino)propanesulfonic acid sodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₁₄NO₄SNa
Batch Molecular Weight: 231.25
Physical Appearance: White solid
Solubility: water to 1000 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Assay (titration): 98.8%
pKa (7.0-7.4): 7.14

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

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Batch No.: 1

CAS Number: 71119-22-7

IUPAC Name: 3-(N-Morpholino)propanesulfonic acid sodium salt

Description:

Multi purpose buffering agent used in biological research. Working pH range in aqueous solution: 6.5 - 7.9. Commonly used in cell culture media, as a running buffer for gel electrophoresis, and within protein purification in chromatography.

Physical and Chemical Properties:

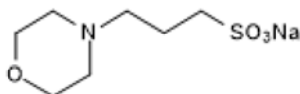
Batch Molecular Formula: C₇H₁₄NO₄SNa

Batch Molecular Weight: 231.25

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 1000 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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