

## Certificate of Analysis

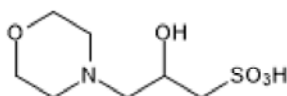
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**Product Name:** MOPSO, free acid  
**CAS Number:** 68399-77-9  
**IUPAC Name:** 3-Morpholino-2-hydroxypropanesulfonic acid

**Catalog No.:** 5888      **Batch No.:** 3  
**EC Number:** 269-989-6

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>7</sub>H<sub>15</sub>NO<sub>5</sub>S  
**Batch Molecular Weight:** 225.26  
**Physical Appearance:** White solid  
**Solubility:** water to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Assay (titration):** 99.3%

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

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**Catalog No.:** 5888

**Batch No.:** 3

CAS Number: 68399-77-9

EC Number: 269-989-6

IUPAC Name: 3-Morpholino-2-hydroxypropanesulfonic acid

**Description:**

Buffer for biochemistry and molecular biology. Working pH range in aqueous solution: 6.2 - 7.6. Commonly used in cell culture media, during eletrophoresis, and protein purification for chromatography.

**Physical and Chemical Properties:**

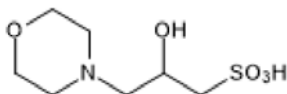
Batch Molecular Formula: C<sub>7</sub>H<sub>15</sub>NO<sub>5</sub>S

Batch Molecular Weight: 225.26

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**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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