

# MOPS

CAS #: 1132-61-2

 Formula: C<sub>7</sub>H<sub>15</sub>NO<sub>4</sub>S

F.W.: 209.27 g/mol

**MOPS-5222**
**BIO ULTRA GRADE**

ANALYSIS		SPECIFICATIONS
Absorbance	260 nm	< = 0.02
Appearance		White Crystalline Powder
Assay, Dried Basis		< = 99.0%
Color of Solution (1M)		< = 50
Heavy Metals (Pb)		< = 5 ppm
Loss on Drying (105 °C)		< = 0.5%
Odor		None
pH (1%)		2.5 - 4.5
pKa (20 °C)		7.10 - 7.30
Solubility (10%)		Passes Test

## General Product Overview

MOPS is a zwitterionic buffer used as a running buffer for denaturing gel electrophoresis and as a buffering agent in many biological and biochemical applications. MOPS interferes with the Folin protein assay and partially decomposes when autoclaved in the presence of glucose. MOPS is considered a Good's buffer because it has a low UV absorptivity, minimal reactivity, stable pH and is soluble in water.

## Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale production.

## Key Product Features

- Appears as a white crystalline powder
- Contains no known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: 4-Morpholinoethanesulfonic Acid; 3-(N-Morpholino) propanesulfonic acid.

## Storage and Shipping Conditions

Refer to SDS.

## Standard Shelf-Life Policy

Please inquire for information regarding shelf-life.

## Package Sizes

1kg, 5kg, 10kg, 25kg, and 50kg

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)

*This is not considered a controlled document. We are not responsible for any errors or omissions, and the user is responsible for any decisions based on the information herein.*