BIOBUFFER SOLUTIONS

REAGENT

# MOPS

## ENZYME FREE

CAS #: 1132-61-2 Formula: $C_7H_{15}NO_4S$ F.W.: 209.27 g/mol

## MOPS-5201 BIO ULTRA GRADE

| ANALYSIS | | SPECIFICATIONS |
|---|---|---|
| Absorbance (0.1M) | 260 nm | < = 0.02 a.u. |
| Appearance and Color | | White Crystals |
| Assay, Dried Basis | | > = 99.0% |
| Enzymes | DNase<br>RNase<br>Protease | None Detected<br>None Detected<br>None Detected |
| Loss on Drying | | < = 1% |
| pH (1%) | | 2.5 – 4.5 |
| $pK_a$ | | 7.10 – 7.30 |
| Trace Metals | Arsenic (As)<br>Copper (Cu)<br>Iron (Fe)<br>Lead (Pb) | < = 1 ppm<br>< = 1 ppm<br>< = 5 ppm<br>< = 5 ppm |

### 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 white crystals
- 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.