

# MOPS SODIUM SALT

CAS #:71119-22-7

Formula:  $C_7H_{14}NO_4SNa$ 

F.W.: 231.24 g/mol

MOPN-5221

BIO ULTRA GRADE

| ANALYSIS             |        | SPECIFICATIONS                 |
|----------------------|--------|--------------------------------|
| Absorbance (0.1M)    | 260 nm | $\leq 0.030$ a.u.              |
| Appearance and Color |        | White Crystalline Powder       |
| Assay, Dried Basis   |        | $\geq 99.5\%$                  |
| Heavy Metals (as Pb) |        | $\leq 5$ ppm                   |
| Identification, IR   |        | Conforms to Reference Standard |
| Iron (Fe)            |        | $\leq 5$ ppm                   |
| Loss on Drying       |        | $\leq 1.0\%$                   |
| pH (0.1M)            |        | 10.0 – 11.0                    |
| pKa, 20 °C           |        | 7.0 – 7.4                      |
| Solubility (0.1M)    |        | Clear, Complete, Colorless     |

## Industry Application

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

## Key Product Features

- Appears as 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

## 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

## General Product Overview

MOPS Sodium is a zwitterionic salt of the Good's buffer, MOPS. 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 low UV absorptivity, minimal reactivity, stable pH and is soluble in water.

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

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