

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
UV Absorbance (0.1M Solution in Water)	260 nm	< = 0.03
Appearance		Free-Flowing, White Crystalline Powder
Assay (on dried basis, by titration)		> = 99.5%
Heavy Metals (as Pb)		< = 5 ppm
Identification		IR Matches Reference
Iron		< = 5 ppm
Loss on Drying (3 Hours at 105 °C)		< = 1.0%
pH (0.1M Solution in H ₂ O @ 25 °C)		10.0 to 11.0
pKa (20 °C)		7.0 to 7.4
Solubility (0.1M Solution in H ₂ O)		Clear, Complete, Colorless, Haze-Free and Particulate-Free

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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