

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		$\geq 99.0\%$
Enzymes	DNase	None Detected
	RNase	None Detected
	Protease	None Detected
Loss on Drying		$\leq 1\%$
pH (1%)		2.5 – 4.5
pK _a		7.10 – 7.30
Trace Metals	Arsenic (As)	≤ 1 ppm
	Copper (Cu)	≤ 1 ppm
	Iron (Fe)	≤ 5 ppm
	Lead (Pb)	≤ 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.](#)