

## MES MONOHYDRATE

CAS #: 145224-94-8

Formula:  $C_6H_{13}NO_4S \cdot H_2O$

F.W.: 213.25 g/mol

MESM-5220

BIO ULTRA GRADE

ANALYSIS		SPECIFICATIONS
Absorbance (0.1M)	260nm 280nm	< = 0.020 a.u. < = 0.020 a.u.
Appearance and Color		White Crystals
Assay		> = 99.0%
Identification, IR		Conforms to Reference Standard
pH (0.5M)		2.5 - 4.5
pH (5%)		3.0 - 3.5
Residue on Ignition		< = 0.05%
Solubility (5%)		Passes Test

### 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: 2-(N-Morpholino) Ethane Sulfonic Acid, 4-Morpholineethanesulfonic Acid Monohydrate

### Storage and Shipping Conditions

Refer to SDS.

### Standard Shelf-Life Policy

Please inquire for information regarding shelf life.

### Package Sizes

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

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

### Industry Application

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

### General Product Overview

MES Monohydrate is a zwitterionic buffer that is not absorbed through cell membranes and is virtually transparent in UV light. MES is a buffering agent used in many biological and biochemical applications. It is also used as a running buffer for denaturing gel electrophoresis. The characteristics of low UV absorptivity, minimal reactivity, stable pH and solubility in water allow MES Monohydrate to be a Good's buffer.

*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.*