

MES MONOHYDRATE

CAS #: 145224-94-8

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

F.W.: 213.25 g/mol

MESM-5201

BIO ULTRA GRADE

ANALYSIS		SPECIFICATIONS
Appearance and Color		White Crystals
Assay		> = 98.0%
Enzymes	DNase	None Detected
	RNase	None Detected
	Protease	None Detected
Identification, IR		Passes Test
Loss on Drying		7 - 10%
Trace Elements	Lead (Pb)	< = 0.0002% Report
	Iron (Fe)	

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)ethanesulfonic 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

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.

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

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