BIO BUFFER SOLUTIONS

REAGENT

MES MONOHYDRATE

CAS #: 145224-94-8 **Formula: $C_6H_{13}NO_4S \cdot H_2O$** **F.W.: 213.25 g/mol**

MESM-5222

BIO ULTRA GRADE

ANALYSIS	SPECIFICATIONS
Absorbance 250 nm	< = 0.05 a.u.
Appearance	White Crystalline Powder
Assay, dried basis	> = 99.0%
Color (1M, Alkaline)	Clear and Colorless
Chloride	< = 0.01%
Heavy Metals (Pb)	< = 0.0010%
Iron	< = 0.0010 %
Loss on Drying	7.0 – 10.0%
pH (1%)	2.5 – 4.0
pKa (20°C)	6.02 – 6.35
Solubility (10%)	Clear
Sulfate	< = 0.01%

Industry Application

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

Click here to view SDS, CoAs and other supporting regulatory documents on our website.

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.

Key Product Features

- Appears as White Crystalline product
- 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