

MOPS

GMP, EXCIPIENT

CAS #: 1132-61-2

 Formula: $C_7H_{15}NO_4S$

F.W.: 209.26 g/mol

MOPS-3220

Bio EXCIPIENT GRADE

| ANALYSIS | SPECIFICATIONS | | |
|----------------------|--------------------------------|----------------|--|
| Absorbance (0.1M) | 250 nm | < = 0.020 a.u. | |
| | 260 nm | < = 0.020 a.u. | |
| | 280 nm | < = 0.020 a.u. | |
| Appearance and Color | White Crystals | | |
| Assay, Dried Basis | > = 99.5% | | |
| Chloride | < = 50 ppm | | |
| Enzymes | DNase | None Detected | |
| | RNase | None Detected | |
| | Protease | None Detected | |
| Identification, IR | Conforms to Reference Standard | | |
| Loss on Drying | < = 1.0% | | |
| pH (1%) | 3.0 – 4.5 | | |
| pH (2.5M) | 2.5 – 4.5 | | |
| pK _a | 7.0 – 7.5 | | |
| Residue on Ignition | < = 0.1% | | |
| Solubility (5%) | Passes Test | | |
| Sulfate | < = 50 ppm | | |
| Trace Metals | Arsenic (As) | < = 5 ppm | |
| | Copper (Cu) | < = 5 ppm | |
| | Iron (Fe) | < = 5 ppm | |
| | Lead (Pb) | < = 5 ppm | |
| Water, KF | < = 0.1% | | |

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

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 low UV absorptivity, minimal reactivity, stable pH and is soluble in water.

Industry Application

Suitable for use as a cGMP chemical in pharmaceutical manufacturing processes and products.

Key Product Features

- The manufacturing of MOPS, MOPS-3220 is performed at BioSpectra's Stroudsburg, PA facility.
- Appears as white crystals
- Manufactured in accordance with ICH Q7
- Manufactured in an enzyme free, hormone free and animal free environment
- 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: 3-(N-Morpholino) Propanesulfonic Acid; 4-Morpholinepropanesulfonic Acid

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

10kg, 25kg and 50kg pails

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