

# *Chem-Impex International, Inc.*

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## *Product Specifications*

<b>Catalogue Number</b>	29811
<b>Product</b>	<b>3-N-Morpholinopropanesulfonic acid</b> 3-Morpholinopropanesulfonic acid MOPS
<b>CAS Number</b>	1132-61-2
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>15</sub> NO <sub>4</sub> S
<b>Molecular Weight</b>	209.3

---

<b>Appearance</b>	White powder
<b>Solubility</b>	Clear complete solution (33% in Water)
<b>Heavy Metals</b>	≤ 5 ppm
<b>pH</b>	3.6-4.4 (1% in Water)
<b>pKa</b>	7.0-7.4
<b>Infrared Spectrum</b>	Conforms to reference
<b>UV Ratios</b>	A <sub>260</sub> nm (1M in Water): ≤ 0.05 A <sub>280</sub> nm (1M in Water): ≤ 0.03
<b>Loss on Drying</b>	≤ 1.0% (140 °C, 30 min.)
<b>RNase, DNase, Protease</b>	None detected
<b>Assay by titration</b>	≥ 99.5% (Dried basis)
<b>Application</b>	To prepare agar culture medium in limit culture medium. It is used as non-toxic buffer in the cultivation of streptomyces clavuligerus and in the production of cephalosporin. It can also be used in northern hybridization rna, as buffer solution for RNA separation.
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**