

# *Chem-Impex International, Inc.*

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**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

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## *Certificate of Analysis*

<b>Catalogue Number</b>	29811
<b>Lot Number</b>	001135-0070407
<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

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear complete solution (33% in Water)
<b>Heavy Metals</b>	< 1 ppm
<b>pH</b>	4.3 (1% in Water)
<b>pKa</b>	7.1
<b>Infrared Spectrum</b>	Conforms to reference
<b>UV Ratios</b>	A <sub>260</sub> nm (1M in Water): 0.0133 A <sub>280</sub> nm (1M in Water): 0.0110
<b>Loss on Drying</b>	0.1% (140 °C, 30 min.)
<b>RNase, DNase, Protease</b>	None detected
<b>Assay by titration</b>	100.1% (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

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**