

# Chem-Impex International, Inc.

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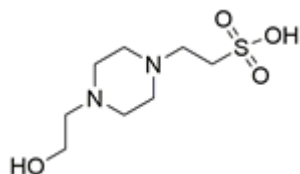
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	38765
<b>Product</b>	<b>HEPES</b> N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid) 4-(2-Hydroxyethyl)-1-piperazineethanesulfonic acid
<b>CAS Number</b>	7365-45-9
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S
<b>Molecular Weight</b>	238.30

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear and complete solution (0.1 M in H <sub>2</sub> O)
<b>pH</b>	5.0 - 6.5
<b>pKa</b>	7.35 - 7.75 at 25 °C
<b>UV Ratios</b>	A <sub>260</sub> nm (1M in H <sub>2</sub> O) : ≤ 0.05 A <sub>280</sub> nm (1M in H <sub>2</sub> O) : ≤ 0.04 A <sub>290</sub> nm (33% in H <sub>2</sub> O) : ≤ 0.05
<b>Loss on Drying</b>	≤ 0.5% (140 °C, 30 mins)
<b>Sulfated Ash</b>	≤ 0.3%
<b>Assay by titration</b>	≥ 99.5%
<b>Grade</b>	Suitable for cell culture
<b>Storage</b>	Store at RT

**For Laboratory Use Only**