

# *Chem-Impex International, Inc.*

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Wood Dale, IL 60191

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

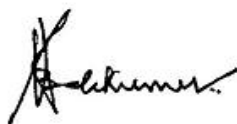
<b>Catalogue Number</b>	00174
<b>Lot Number</b>	001135-0110810
<b>Product</b>	<b>4-(2-Hydroxyethyl)-1-piperazineethanesulfonic</b> HEPES
<b>CAS Number</b>	7365-45-9
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S
<b>Molecular Weight</b>	238.3

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear and complete (0.1M in Water)
<b>pH</b>	5.4
<b>pKa</b>	7.49 (25 °C)
<b>UV Ratios</b>	UV absorbance (1M in Water) at 260 nm : 0.0082 UV absorbance (1M in Water) at 280 nm : 0.0044 UV absorbance (33% in Water) at 290 nm : 0.0041
<b>Loss on Drying</b>	0.1%
<b>Ash</b>	< 0.1%
<b>Assay by titration</b>	100% (Dry basis)
<b>Storage</b>	Store at RT

**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**