

Chem-Impex International, Inc.

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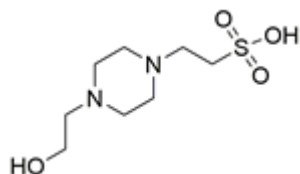
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	37111
Product	4-(2-Hydroxyethyl)-1-piperazineethanesulfonic acid
	HEPES
CAS Number	7365-45-9
Molecular Formula	C ₈ H ₁₈ N ₂ O ₄ S
Molecular Weight	238.3

Appearance	White powder
Solubility	Clear and complete solution (1M in H ₂ O)
Heavy Metals	≤ 5 ppm (as Pb)
pH	5.0 - 6.5
pKa	7.45 - 7.65 at 25 °C
UV Ratios	UV (1M in water) A ₂₆₀ nm : ≤ 0.05 UV (1M in water) A ₂₈₀ nm : ≤ 0.04 UV (33% in water) A ₂₉₀ nm : ≤ 0.05 UV (1M in water) A ₄₀₅ nm : < 0.01
Loss on Drying	≤ 0.5% (140 °C, 30 min.)
RNase, DNase, Protease	Not detectable
Sulfated Ash	≤ 0.1%
Assay by titration	99 - 101% (dried basis)
Grade	Molecular biology grade
Storage	Store at RT

For Laboratory Use Only