

Item Number	H1804
Item	HEPES, cGMP Manufactured
CAS Number	7365-45-9
Molecular Formula	C ₈ H ₁₈ O ₄ N ₂ S
Molecular Weight	238.30
MDL Number	
Synonyms	N-(2-Hydroxyethyl)piperazine-N'-2-ethanesulfonic Acid

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (TITRATION)	99.5 %	
pH OF A 5% AQUEOUS SOLUTION	4.5	6.5
pKa @ 25 C	7.35	7.75
Absorbance @ 260 nm (0.05 M in water)		0.05 AU
Absorbance @ 280 nm (0.05 M in water)		0.03 AU
WATER (KF)		0.5 %
HEAVY METALS (as Pb)		5 ppm
INSOLUBLE MATTER		0.1 %
TOTAL AEROBIC MICROBIAL COUNT		100 cfu/g
TOTAL YEAST AND MOLD COUNT		100 cfu/g
BACTERIAL ENDOTOXIN		As reported
EXPIRATION DATE		
DATE OF MANUFACTURE		

Spectrum Chemical Mfg Corp

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