



Catalog Number:	VWRB30567-1KG; VWRB30567-5KG; VWRB30567-25KG
Catalog description:	HEPES SODIUM SALT
Grade:	Bioreagent
Formula:	C₈H₁₇N₂O₄SNa
Formula Weight:	260.30
CAS Number:	75277-39-3

Characteristics	Specifications
Appearance.....	white crystalline powder
Assay (By titration).....	NLT 99.5%
Absorbance (1M solution in H ₂ O)	
260nm.....	NMT 0.5
280nm.....	NMT 0.5
Identification (by IR).....	conforms to structure
Loss On Drying (at 105°C).....	NMT 2.0%
pH (1% solution in H ₂ O).....	9.5 to 10.5
pKa (25°C).....	7.4 to 7.7
Solubility (1M solution in H ₂ O).....	clear and complete
Heavy Metals (as Pb).....	NMT 5 ppm
Calcium (Ca).....	NMT 5 ppm
Copper (Cu).....	NMT 5 ppm
Iron (Fe).....	NMT 5 ppm
Magnesium (Mg).....	NMT 5 ppm
Manganese (Mn).....	NMT 5 ppm
Zinc (Zn).....	NMT 5 ppm
Bioburden.....	NMT 100 CFU/g
Cell Culture Toxicity.....	Passes test
Endotoxin (0.2% solution in H ₂ O).....	NMT 0.1 EU/mg
DNase.....	none detected
RNase.....	none detected
Protease.....	none detected

Additional Information

Retest Date (3 years from Manufacture)

Country of Origin..... USA

Material is of non-animal, non-human origin

Storage Conditions..... 15°C to 30°C