

Product: HEPES Sodium, Ultra BioPure
Catalog Number: H1115

Formula: $C_8H_{17}N_2O_4S.Na$
Formula Weight: 260.28
CAS Number: 75277-39-3

SPECIFICATIONS

Test	Specification
Appearance	White powder
Assay (by titration, on dried basis)	NLT 99.0%
Solubility (1% solution in water).....	Clear, complete, colorless.....
Identification (by IR).....	Conforms to structure
Loss on Drying (3 hours @ 105°C)	NMT 3.0%
pH (1% solution in water @ 20°C)	9.4 – 11.0
pKa (@25.....	7.4 – 7.7
UV Absorption (0.1M @ 290nm)	NMT 0.05
UV Absorption (0.1M @ 280nm)	NMT 0.05
UV Absorption (0.1M @ 260nm)	NMT 0.04
Insoluble Matter	NMT 0.1%
Heavy Metals (Lead).....	NMT 5ppm
Iron (Fe)	NMT 5ppm
Endotoxin (0.2% solution in H ₂ O)	NMT 0.1 EU/mL
Bioburden	NMT 100 CFU/g.....

Additional Information

Storage Conditions 15°C to 30°C
Material is of non-animal, non-human origin