

Product: HEPES Sodium, Ultra Pure
Catalog Number: H1113

Formula: C₈H₁₇N₂O₄S.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

Additional Information

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