

Product: HEPES, UltraPure,
Catalog Number: 30460-00
Effective Date: 03-07-06

Formula: C₈H₁₈N₂O₄S
Formula Weight: 238.31
CAS Number: 7365-45-9

SPECIFICATION

<u>Test</u>	<u>Specification</u>
Appearance	Free flowing, white crystalline powder
Assay (By titration, on dried basis).....	NLT 99.5%
Identification (by IR).....	acceptable
Loss on Drying (3 hours @ 105°C).....	NMT 1%
pKa (7.55 @ 20°C; ΔpKa/°C = -0.014).....	acceptable
Residue on Ignition.....	NMT 0.3%
Solubility (1M solution in H ₂ O).....	clear, complete, and colorless
Heavy Metals (as Pb)	NMT 20 ppm
Endotoxin (0.2% Solution in H ₂ O)	NMT 0.1 EU/mL

Additional Information

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