

**Product:** HEPES, High Purity  
**Catalog Number:** H1108

**Formula:** C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>S  
**Formula Weight:** 238.31  
**CAS Number:** 7365-45-9

## SPECIFICATIONS

Test	Specification
Appearance .....	White crystalline powder .....
Assay (by titration, on dried basis) .....	NLT 99.0% .....
Solubility (1M solution in H <sub>2</sub> O) .....	Clear, complete and colorless .....
Identification (by IR) .....	Conforms to structure .....
Loss on Drying (3 hours @ 105°C) .....	NMT 1.0% .....
pH (1M solution in water @ 20°C) .....	5.0 – 6.5 .....
pKa (7.55 @ 20°C) .....	7.45 – 7.65 .....
Heavy Metals (as Pb) .....	NMT 5 ppm .....
Iron (Fe) .....	NMT 5 ppm .....
Sulfate (SO <sub>4</sub> ) .....	NMT 0.05% .....

### Additional Information

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