



HEPES Buffer (Lot 160104a)

B-HEPES250

07/18

IUPAC Name	2-[4-(2-hydroxyethyl)piperazin-1-yl]ethanesulfonic acid
CAS Number	7365-45-9
Molecular formula	C ₈ H ₁₈ N ₂ O ₄ S
Molecular weight	238.30
Assay	≥ 99%
pKa (25°C)	7.5
Useful pH range	6.8 – 8.2

Storage Store in cool place.
Keep container tightly closed in a dry and well-ventilated place.

Physical properties

Appearance
Solubility in water (40 g / 100 mL)
Melting point (°C)
Loss on drying

Specification

Free flowing white powder
Soluble
234°C
≤ 1.0%

Impurities

Heavy metals ≤ 5ppm
Sulphate ≤ 0.05%
Residue after ignition ≤ 0.1%
A₂₆₀ 0.305
A₂₈₀ 0.205