

Specifications

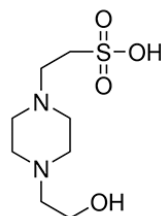
HEPES

These specifications are valid for Hopax's small packages (100g to 1kg).

Please [contact us](#) for bulk enquires of our products (customized specifications available).

Product Name	HEPES
Chemical Name	N- (2-Hydroxy ethyl)-Piperazine ethane Sulfonic acid
CAS No	7365-45-9
Molecular Formula	C ₈ H ₁₈ N ₂ O ₄ S
Molecular Weight	238.3

Structure



Assay (Titration, dried basis)	≥ 99.5%
Appearance	White Powder
Solubility (1M in H ₂ O)	Clear and Complete
Moisture (LOD)	≤ 0.5%
pKa (25°C)	7.45 – 7.65
pH (5% in H ₂ O)	5.0 – 6.5
UV (1M in H ₂ O) A260nm	≤ 0.05
UV (1M in H ₂ O) A280nm	≤ 0.04
UV (1M in H ₂ O) A405nm	≤ 0.01
UV (33% in H ₂ O)A290nm	≤ 0.05
Ash	≤ 0.1%
Heavy Metals (as Pb)	≤ 5 ppm

HOPAX
FINE CHEMICALS

Biological
Buffers



If you have any questions regarding our specifications, shipping, payment conditions and others, please [click here to email our sales department](#) or [send a message through our website](#).