



CERTIFICATE OF ANALYSIS

Product	HEPES, Free Acid
Grade	High Purity
Product Code	HB0264
Formula	$C_8H_{18}N_2O_4S$
MW	238.30
CAS#	7365-45-9
Lot No	

Test Items	Specifications	Results
Appearance	Fine white powder	
Assay (By titration)	$\geq 99.0\%$	
Solubility (1M solution in H_2O)	Clear colorless	
pH (1% solution)	5.0-6.5	
Heavy metals	$\leq 10\text{ppm}$	
Loss on Drying	$\leq 1\%$	
Ultraviolet absorbance at 260nm(1M aq.)	≤ 0.1	
Ultraviolet absorbance at 280nm(1M aq.)	≤ 0.07	
Iron	$\leq 5\text{ppm}$	
Sulfate Ion	$\leq 0.05\%$	

Storage: 18~25°C. Protect from moisture