

Specification

Product	HEPES for molecular biology
Brand	GeneOn GmbH
Product number	CE171, ff.
Synonym(s)	4-(2-Hydroxyethyl)-1-piperazine-1-ethanesulfonic acid, N-(2-Hydroxyethyl)-piperazine-N'-2-ethanesulfonic acid
Formula	C ₈ H ₁₈ N ₂ O ₄ S
Molecular weight	238.31 g/mol
CAS number	7365-45-9
Storage	below 25°C
Retest period (months)	48
Parameter	Specification
DNases/RNases/Proteases	not detectable
Assay (titr.)	min. 99.5 %
pH (1 % in water)	4.7 - 6.0
Sulfated ash	max. 0.1 %
Water	max. 0.5 %
Chloride	max. 0.005 %
Sulfate	max. 0.005 %
As	max. 0.0001 %
Fe	max. 0.001 %
Pb	max. 0.001 %
A (1 cm/0.1 M HPLC water)	
260 nm	max. 0.1
280 nm	max. 0.05