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Specification

Product	HEPES for molecular biology
Product number	1285
Synonyms	4-(2-Hydroxyethyl)-1-piperazine-1-ethanesulfonic acid, N-(2-Hydroxyethyl)-piperazine-N'-2-ethanesulfonic acid
Formula	$C_8H_{18}N_2O_4S$
Molecular weight	238.31 g/mol
CAS number	7365-45-9
Storage	below 25°C
Retest period (months)	48

Parameter	Specification
Assay (titr.)	>= 99.5 %
DNases/RNases/Proteases	not detectable
pH (1 % in water, 20°C)	4.7 - 6
Residue on ignition (Ash)	<= 0.1 %
Water	<= 0.5 %
Chloride (Cl)	<= 0.005 %
Sulfate (SO ₄)	<= 0.005 %
Arsenic (As)	<= 0.0001 %
Iron (Fe)	<= 0.001 %
Lead (Pb)	<= 0.001 %
Absorbance (0.1 M in water)	
260 nm	<= 0.1
280 nm	<= 0.05

Einhausen, 28.10.2024