

neoFroxx GmbH

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Specification

Product	HEPES for cell biology
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Product number	1194 (revised)
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
Pyrogen test	passes test
Assay (titr.)	min. 99.5 %
Appearance	white crystalline powder
Appearance of solution	clear, colorless
pH (5 % in water)	4.7 - 6.0
Sulfated ash	max. 0.1 %
Water	max. 0.5 %
Chloride	max. 0.005 %
Sulfate	max. 0.05 %
As	max. 0.0001 %
Fe	max. 0.0005 %
Pb	max. 0.001 %
Absorbance	
A280 nm	max. 0.05
A260 nm	max. 0.05
Performance (Suitability for cell culture)	passes test

Einhausen, 04.10.2023 (revised)