



Product Specification



Material	VWRB30567-1KG
Material description	HEPES sodium salt
CAS Number	75277-39-3
Molecular formula	C ₈ H ₁₇ N ₂ NaO ₄ S
Molecular mass	260.29
Storage	Store between 15 °C and 30 °C.

Characteristics	Specifications
Assay (titration; dried basis)	≥ 99.5 %
Appearance	White crystalline powder
DNases	None detected
Identification (IR)	Conforms to structure
Proteases	None detected
RNases	None detected
Solubility in water (1 mol/l)	Clear and complete
pH (1 %)	9.5 - 10.5
pKa (25°C)	7.4 - 7.7
Heavy metals (as Pb)	≤ 5 ppm
Loss on drying (105°C)	≤ 2.0 %
Ca (Calcium)	≤ 5 ppm
Cu (Copper)	≤ 5 ppm
Fe (Iron)	≤ 5 ppm
Mg (Magnesium)	≤ 5 ppm
Mn (Manganese)	≤ 5 ppm
Zn (Zinc)	≤ 5 ppm
Absorbance (260 nm) (1 mol/l)	≤ 0.5
Absorbance (280 nm) (1 mol/l)	≤ 0.5
Bioburden	≤ 100 CFU/g
Cell culture toxicity	Passes test
Endotoxin (0.2 %)	≤ 0.1 EU/mg
Country of origin	USA
Source (non-animal/non-human derived)	Confirmed

For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.



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Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Susan Marra, Quality Assurance Manager - Sanborn
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