

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **HEPES**
Specifications & Purity: Suitable for molecular biology, ≥99.5%, pH 5.0-6.5 (1 M in H₂O)
SKU #: **H1456161**

Parameter	Limit Values
Cobalt (Co)	0-5 (ppm)
Cadmium(Cd)	0-5 (ppm)
Lithium(Li)	0-5 (ppm)
Arsenic(As)	0-0.1 (ppm)
Sodium(Na)	0-50 (ppm)
Ignition Residue (as sulfate)	0-0.1 (%)
Appearance(H1456161)	white crystalline powder
Manganese(Mn)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
DNases	none detected
Purity(Titration)	99.5-100.5 (%)
Barium(Ba)	0-5 (ppm)
NMR Spectrum 1H	Conforms to Structure
Chromium(Cr)	0-5 (ppm)
Aluminum(Al)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
proteases	none detected
Solubility in H ₂ O , soluble , 1M , 20°C, clear, colorless	pass
Insoluble matter	pass
Potassium(K)	0-50 (ppm)
RNases	none detected
Magnesium (Mg)	0-5 (ppm)
Chloride (Cl-)	0-50 (ppm)
PH(25 °C, 1 M in Water)	5-6.5
Calcium(Ca)	0-10 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Loss on drying(110°C)	0-0.5 (%)
UV Absorbance 280nm(0.5 M in H ₂ O)	0-0.1
Strontium(Sr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
UV Absorbance 260nm(0.5 M in H ₂ O)	0-0.1



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Lead(Pb)

Nickel(Ni)

Limit Values

0-5 (ppm)

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