

CERTIFICATE OF ANALYSIS

PRODUCT NAME: HEPES,99%

ITEM NUMBER: H109406
BRAND: Aladdin
CAS NUMBER: 7365-45-9
MDL NUMBER: MFCD00006158
FORMULA: C₈H₁₈N₂O₄S
MOLECULAR WEIGHT: 238.30

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White Powder or Crystals		
Heavy metals (as Pb)	0 ppm	5 ppm	5 ppm
Infrared spectrum	Conforms to Structure		
Proton NMR spectrum	Conforms to Structure		
Purity(neutralization titration)	99 %	101 %	101 %
Solubility in water	Colorless and clear(500mg/ml)		
UV Absorbance(1mol/L, H ₂ O, 250nm)	0	0.25	0.25
UV Absorbance(1mol/L,H ₂ O,260nm)	0	0.15	0.15
UV Absorbance(1mol/L,H ₂ O,320nm)	0	0.1	0.1
Water by Karl Fischer	0 %	1 %	1 %