

CERTIFICATE OF ANALYSIS

PRODUCT NAME: HEPES, 99.5%(T)

ITEM NUMBER: H109407
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		
Carbon NMR Spectrum	Conforms to Structure		
Heavy metals (as Pb)	0 ppm	5 ppm	5 ppm
Purity (Titration by NaOH)(anhydrous)	99.5 %	100.5 %	100.5 %
solubility in water	clear colorless ,500mg/ml in water		
UV Absorbance 290nm(33%w/w)	0	0.05	0.05
Water by Karl Fischer	0 %	1 %	1 %