



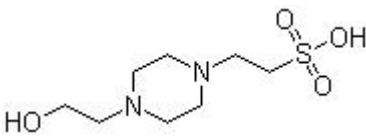
HANGZHOU DINGYAN CHEM CO.,LTD

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## CERTIFICATE OF ANALYSIS

NO: DYC071605251

Product name	HEPES
CAS Number	7365-45-9
Molecule Structure	
Molecule Formula	C8H18N2O4S
Batch number	20160522
Manuf&Exp. Date	2016-05-22, 2018-05-22
Testing date	2016-05-22

Items	Standard	Result
Appearance	White crystalline powder	Conforms
Assay, %	≥99.50	99.90
Solubility (1M aq)	Clear, colorless solution	Conforms
PH (1 % aq)	4.80-5.60	5.21
Heavy metals, ppm	≤10.0	Conforms
Loss on drying, %	≤1.00	0.10
Residue on ignition, %	≤0.1	Conforms
Ultraviolet absorbance 260nm(1M aq)	≤0.100	0.034
Ultraviolet absorbance 280nm (1M aq)	≤0.070	0.025
Iron Ion, ppm	≤5	Conforms
Sulfate, %	≤0.05	Conforms
Storage	Room temperature	
Conclusion	Comply with factory standard	

QUALITY CONTROL  
Hangzhou Dingyan Chem Co., Ltd.  
Quality Control ..... Edith .....  
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风

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