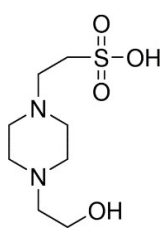





HEPES (BUFFER) SUITABLE FOR TISSUE CULTURE WORK pKa - 7.5

PRODUCT CODE	R01234	
SYNONYMS	n-(2-Hydroxyethyl) piperazine-n'-(2-ethanesulphonic acid)	
C.I. NO.	--	
CASR NO.	(7365-45-9)	
ATOMIC OR MOLECULAR FORMULA	C ₈ H ₁₈ N ₂ O ₄ S	
ATOMIC OR MOLECULAR WEIGHT	238.30	
PROPERTIES	---	
PARAMETER	LIMIT	
Description	White crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Minimum Assay (potentiometric)	99.0%	
MAXIMUM LIMIT OF IMPURITIES		
Absorbance per 10 mm of 10% aq. solutions at 250 nm 0.1 max. with smooth curve in the range 230 - 350 nm	0.1	
Loss on drying (at 110°C)	0.5%	
Sulphated ash	0.1%	
Chloride (Cl)	0.01%	
Phosphate (PO ₄)	0.001%	
Sulphate (SO ₄)	0.01%	
Iron (Fe)	0.0005%	
Lead (Pb)	0.001%	
Biological buffer pKa at 20°C	7.55	
Note(s): Assay (if applicable) method mentioned.		
WARNING		IMDG Code :
Hazard statements: Not hazardous. No hazards.		UN No. :
Precautionary statements		IATA :
Prevention: ----		
Response: ----		
Disposal: ----		
Hazard Pictogram(s) :		

Replace Date 1 April 2023

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