

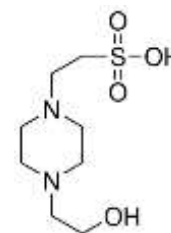


# Product Specification

cdhfinechemical.com

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

<b>PRODUCT CODE</b>	<b>110685</b>
<b>SYNONYMS</b>	n-(2-Hydroxyethyl) piperazine-n'-(2- ethanesulphonic acid)
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	(7365-45-9)
<b>ATOMIC OR MOLECULAR FORMULA</b>	$C_8H_{18}N_2O_4S$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	238.30
<b>PROPERTIES</b>	---



<b>PARAMETER</b>	<b>LIMIT</b>
Description	White crystalline powder.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (potentiometric)	99.0%

<b>MAXIMUM LIMIT OF IMPURITIES</b>	
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 <sub>4</sub> )	0.001%
Sulphate (SO <sub>4</sub> )	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.**

<b>WARNING</b>	IMDG Code :
<b>Hazard statements:</b> Not hazardous. No hazards.	UN No. :
<b>Precautionary statements</b>	IATA :
<b>Prevention:</b> ----	
<b>Response:</b> ----	
<b>Disposal:</b> ----	

Hazard Pictogram(s) :

Replace date 1-June-2023