



BIMAL PHARMA PVT. LTD.

TYPICAL CERTIFICATE OF ANALYSIS

Name of the product : N-(2-Hydroxyethyl) Piperazine-N' – (2-Ethane Sulfonic Acid)
[HEPES]
 : 4-(2-Hydroxyethyl)-1-piperazineethanesulfonic acid

CAS No. : 7365-45-9

Molecular Wt. : 238.31

Molecular Formula : $C_8H_{18}N_2O_4S$

Shelf Life : 2 Years

SR. NO.	ITEM	SPECIFICATION	RESULTS
1.	Appearance	White crystalline powder	Conforms
2.	Assay	$\geq 99.5\%$	99.75%
3.	Solubility (1M. aq.)	Clear , Colorless Solution	Conforms
4.	Heavy Metals , ppm (Lead)	≤ 10	Conforms
5.	Water Content , (Loss on Drying)	$\leq 1.0\%$	0.13%
6.	pH value (1% aq.)	5.0 – 6.5	5.31
7.	Iron , ppm	≤ 5	Conforms
8.	Sulfate	$\leq 0.05\%$	Conforms