



## Certificate of Analysis

### HEPES Buffer solution 1M in H<sub>2</sub>O, PH-7.40.

Product Code:	BS10041.
Description:	HEPES Buffer solution 1M in H <sub>2</sub> O, PH-7.40.
Chemical Name:	NA.
Pack Size:	500 ml.
CAS No.:	NA.
Mol. Weight:	NA.
Mol. Formula:	NA.
Appearance:	Colourless liquid.
pH (Solution):	Lot specific (5.0-8.0).
Titration (molarity):	2.95-3.05 mol/l.
Solubility:	Neat.
Storage:	Store at ambient temperature.
Lot No.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	1 year.

This product is prepared using high quality salts and deionized water. The results reported are of a sample taken from the above-mentioned lot during manufacture. The uncertainty of the molarity value does not exceed  $\pm 1\%$  at 95% confidence level ( $k=2$ ). This product was prepared gravimetrically on a mass/mass basis. The solute was weighed on a balance calibrated by our engineers using mass standards traceable to National and International primary standard of mass. The calibration was carried out under monitored environmental conditions and atmospheric pressure.

All standard components used in the manufacture of this product are pre-qualified and verified before use. All glassware used are of class A and have been qualified and verified before use.

Tests were performed for capacity, readability, repeatability and linearity. This product meets all requirements defined by the appropriate specifications. This product is manufactured, packaged, stored, and shipped in accordance with good manufacturing practices.

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**Viswanath.**  
Q.C. Manager.

