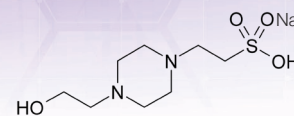


## HEPES, Sodium

**INTENDED FOR USE IN COMMERCIAL MANUFACTURING, DIAGNOSTIC AND LABORATORY APPLICATIONS.**



HEPES Sodium is a zwitterionic salt which is used in the preparation of a HEPES buffer solution. Its pH range of 9.5-11.5 makes an ideal buffer for pH maintenance. HEPES Sodium interferes with the Folin protein assay. The tendency of this buffer to form radicals makes it unsuitable for redox studies.

**CAS #:** 75277-39-3  
**Molecular Formula:**  
 $C_8H_{17}N_2NaO_4S$   
**Solubility in Water (g/L):** 990  
**F.W.:** 260.29 g/mol  
**pH @ 20°C:** 4.5 - 6.0  
**Useful pH:** 7.8 - 8.2  
**pKa @ 20°C:** 7.5

**BIO ULTRA GRADE | Product Code: HEPN-5220 | Previously: HN5220**

$C_8H_{17}N_2NaO_4S$  · F.W. 260.29 g/mol. · CAS# 75277-39-3

These are general specifications. BioSpectra will customize our products to meet your quality based requirements.

ANALYSIS	SPECIFICATIONS
Appearance and Color	White / Crystals
Assay, Dried Basis	99.0% min.
Identification (IR)	Passes Test
Identification (Sodium)	Passes Test
Solubility	Passes Test

### Key Compliance Attributes of Bio Ultra Grade

Suitable for Research and Diagnostic Application
C of A Available for Each Lot
BioSpectra Supply Chain Audit Trail
Product Origin Statement
Customer Quality Audits
Customized Additional Specifications
Enzyme Tested

### General Product Description:

- HEPES Sodium is a White Crystalline product.
- Molecular Formula:  $C_8H_{17}N_2NaO_4S$
- Molecular Weight: 260.29 g/mol.
- CAS Number: 75277-39-3.
- Synonyms: 4-(2-Hydroxyethyl)piperazine-1-ethanesulfonic acid sodium salt.

### Intended Use Statement:

Material represented by this grade is suitable to be used only as the following: Quality System Manufactured Process Chemical for use in further manufacturing or as a reagent for laboratory and research. The material represented by this grade is not suitable to be used as an Excipient, Active Pharmaceutical Ingredient, Drug, Drug Product or household item.

### Retest Date:

BioSpectra does not assign expiration or retest dates for Bio Ultra Grade materials.

### Storage and Shipping Conditions:

Ship and Store in ambient temperature.

### Package Sizes:

10kg, 25kg and 50kg pails.