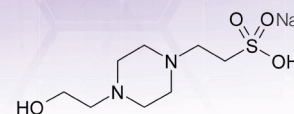


HEPES, Sodium

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
Management of Change
Trace Metals Analyzed
Stability Testing Program
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.