

HEPES SODIUM SALT

ENZYME FREE, BET*

CAS #: 75277-39-3

Formula: C₈H₁₇N₂O₄Na

F.W.: 260.3 g/mol

HEPN-5253

BIO ULTRA GRADE

ANALYSIS		SPECIFICATIONS
Appearance		White Free-Flowing Powder
Identification		IR Matches Reference
Solubility (1.0% Soln. in H ₂ O at 25°C)		Clear, Complete and Colorless
Loss on Drying		NMT 3.0%
pH (1% Aqueous Solution at 25°C)		9.4 – 11.0
Heavy Metals, as Pb		NMT 5 ppm
Endotoxin		NMT 0.04 EU/mg
Enzymes	DNase Protease RNase	None Detected None Detected None Detected
Bioburden		NMT 100 CFU/g
Absorbance (1.0M solution in water) A _{250nm}		NMT 1.0
pKa at 25°C		7.4 – 7.7
Assay, by Titration, Dried Basis		NLT 98.0%

*Bioburden and Endotoxin Tested

Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale production.

General Product Overview

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

Key Product Features

- Appears as white free-flowing powder
- Contains no known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: Sodium 2-4-(2-Hydroxyethyl)piperazin-1-yl)ethanesulfonate

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Please inquire for information regarding shelf life.

Package Sizes

1kg, 5kg, 10kg, 25kg, 50kg

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)

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