BIOBUFFER SOLUTIONS

REAGENT

HEPES SODIUM SALT

BET*

CAS #: 75277-39-3 **Formula: $C_8H_{17}N_2O_4SNa$** **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_2O 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
Bioburden	NMT 100 CFU/g
Absorbance (1.0M solution in water) A250nm	NMT 1.0
pKa at 25°C	7.4 – 7.7
Assay, by Titration, Dried Basis	NLT 98.0%

*Bioburden and Endotoxin Tested

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.

Industry Application

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

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

Typical shelf-life for this material is a two- year retest date with a three-year expiry from the date of manufacturing or repackaging. Please inquire for further information.

Package Sizes

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

Click here to view SDS, CoAs and other supporting regulatory documents on our website.