BIOBUFFER SOLUTIONS

REAGENT

HEPES SODIUM SALT

ENZYME FREE, 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
Absorbance (1M)	250nm	< = 1.0 a.u.
Appearance and Color		White Powder
Assay, Dried Basis		> = 98.0%
Endotoxin		< = 0.04 EU/mg
Enzymes	DNase Protease RNase	None Detected None Detected None Detected
Heavy Metals (Pb)		< = 5 ppm
Identification, IR		Conforms to Reference Standard
Loss on Drying		< = 3.0%
Microbial Content	TAMC TYMC	< 50 CFU/g < 50 CFU/g
pH (1%)		9.4 – 11.0
pKa, 25C		7.4 – 7.7
Solubility (1%)		Clear, Complete and Colorless

*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.

This is not considered a controlled document. We are not responsible for any errors or omissions, and the user is responsible for any decisions based on the information herein.