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Technical Data Sheet
HEPARIN SODIUM USP

Heparin Sodium USP is the sodium salt of a sulfated glycosaminoglycans of mixed mucopolysaccharides varying in molecular weights. It is a high purity lyophilized powder prepared from porcine intestinal mucosa.

DESCRIPTION

Heparin Sodium USP is a white, amorphous, hygroscopic powder. It is nearly odorless.

USES

Heparin is an anticoagulant sold as a bulk drug substance for further processing. It is also used as an agent to coat blood collection or handling devices to prevent coagulation in laboratory applications.

SPECIFICATIONS

Heparin Potency (dry basis)	Not Less Than 140 USP Heparin Units/mg
Loss on Drying	Not More Than 5.0%
Bacterial Endotoxin	NMT 0.03 USP EU per USP Heparin Unit
Residue on Ignition	28.0% to 41.0%
Heavy Metals	Conforms
Anti-Factor Xa Activity	80% to 120%
Nitrogen (dry basis)	1.3% to 2.5%
Identification	Conforms
pH (1 in 100)	5.0 – 7.5
Protein	Conforms

SPL Heparin Sodium USP is certified to meet all declared standards, tests, assays, and other specifications of the current United States Pharmacopoeia (USP). SPL heparin has also been qualified against Japanese Pharmacopedia (JP) and European Pharmacopedia (EP) criteria and can be certified to meet these monograph requirements.

CERTIFICATION

Each lot is quality control tested at the time of manufacture. A Certificate of Analysis and Material Safety Data Sheet accompany each order.

SOLUBILITY

Heparin Sodium USP is soluble in water.

PACKAGING

Heparin Sodium USP is routinely packaged in polyethylene liners in heat-sealed foil pouches.

STORAGE

Preserve in tight containers and at a temperature below 40° C, preferably at room temperature.