

Glucosamine HCL USP

INCI Name: Glucosamine HCL

CAS Numbers: 66-84-2

Description:

Glucosamine is usually made from seashells, or it can be made in the laboratory. Hydrochloride is a salt form of glucosamine. Glucosamine in the body is used to make a "cushion" that surrounds the joints. In osteoarthritis, this cushion becomes thinner and stiff. Taking glucosamine hydrochloride as a supplement supports joint health by helping to supply the materials needed to rebuild the cushion.



Technical Data:

<u>PHYSICAL PROPERTIES</u>	<u>SPECIFICATION</u>	<u>METHOD</u>
Appearance	White crystalline powder	Visual
Identification	Meets requirements	USP
Loss on drying	NMT 1.0%	105°C, 2 hrs
Specific Rotation	+70.0° ~ 73.0°	USP
Bulk Density	0.40 g/ml - 1.0 g/ml	USP
Particle Size	NLT 95% through a US #20	Ro Tap (3 min.)
<u>ANALYTICAL</u>	<u>SPECIFICATION</u>	<u>METHOD</u>
Assay	98.0% - 102.0%	USP
Residue on Ignition	NMT 0.1%	USP
pH	3 - 5	USP
Heavy Metal	NMT 10 ppm	USP
Arsenic	NMT 0.5 ppm	USP
Sulfates	NMT 0.24%	USP
Organic Volatile Impurities	Meets requirements	USP
<u>MICROBIOLOGICAL</u>	<u>SPECIFICATION</u>	<u>METHOD</u>
Total Plate Count	NMT 1000 cfu/g	USP
Yeast & Mold	NMT 100 cfu/g	USP
E. coli	Negative	USP
Salmonella	Negative	USP

Applications:

Glucosamine hydrochloride is used for osteoarthritis, knee pain, back pain, and glaucoma, and joint health in humans and pets.



McKinley Resources, Inc.

P.O. Box 810472 • Dallas, TX 75381

Phone: 972-620-9730 • Fax: 972-421-1860

info@mckinleyresources.com • www.mckinleyresources.com