

# Glucosamine HCl + Chondroitin

Shellfish-free glucosamine and chondroitin combination; daily joint support<sup>^†</sup>

## INDICATIONS

- Ages 18 and up
- Joint mobility and comfort<sup>†</sup>

## BENEFITS

- Offers dual-strength support for healthy joint function and mobility<sup>†</sup>
- Promotes cartilage integrity<sup>†</sup>
- Supports proteoglycan synthesis, the ground substance of cartilage<sup>†</sup>

## FEATURES

- Shellfish-free glucosamine
- Made with high-quality ingredients backed by verifiable science

## VERIFIABLE SCIENCE

Glucosamine promotes the synthesis of the glycosaminoglycan chondroitin. Studies have indicated that glucosamine HCl has the ability to support healthy cartilage integrity, in part by maintaining healthy matrix metalloproteinase (MMP) enzyme activity.<sup>1</sup> Chondroitin sulfate is responsible for building molecules known as proteoglycans, the ground substance of cartilage.<sup>2</sup> In addition, it maintains healthy enzyme activity in the cartilage matrix, supporting cartilage integrity, and may provide synergistic support when combined with glucosamine.<sup>3</sup> Studies suggest that the combination of glucosamine HCl and chondroitin sulfate have positive effects on joint mobility and comfort.<sup>4,5†</sup>

## SUGGESTED USE

As a dietary supplement, take 1 capsule, 3 times daily, with meals, or as directed by a health professional.

## STORAGE

Store in a cool, dry place.

## WARNING

If you are pregnant or lactating, have any health condition or are taking any medication, consult your health professional before use. Individual results may vary.

## SOURCE

- Glucosamine HCl is manufactured in a proprietary process to produce a shellfish-free glucosamine supplement. Its production involves corn fermentation, which produces chitosan as a byproduct. Chitosan is extracted and processed to achieve glucosamine HCl. There is no allergenicity, as no corn protein or DNA are present in the fermentation product.
- Chondroitin sulfate is derived from bovine cartilage.
- Ascorbyl palmitate is derived from corn dextrose fermentation and palm oil.

## NOTES

Size 00 caps

Bottle count 120

Order code GLC1

Bottle size 290 cc

Shellfish-free

## REFERENCES

1. Lu HT, et. al. *J Cell Biochem.* 2008 May 1;104(1):38-50.
2. Uebelhart D, et. al. *Osteoarthritis Cartilage.* 2004 Apr;12(4):269-76.
3. Bourgeois P, et. al. *Osteoarthritis Cartilage.* 1998 May;6 Suppl A:25-30.
4. Clegg DO, et. al. *N Engl J Med.* 2006 Feb 23;354(8):795-808.
5. Damlar I, et. al. *Med Oral Patol Oral Cir Bucal.* 2015 May 1;20(3):e278-83.

<sup>^</sup>Individual results may vary.

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## SUPPLEMENT FACTS

**1 capsule, 3 times daily, with meals, or as directed by a health professional. Individual results may vary.**

**Each (size 00) vegetarian capsule contains:**

Glucosamine HCl (shellfish-free) 400 mg

Chondroitin sulfate (from bovine) 300 mg

Other ingredients: vegetarian capsule (cellulose, water), ascorbyl palmitate



Glucosamine HCl + Chondroitin	Quantity	Order Code
	120	GLC1