

# Glucosamine

Active pharmaceutical ingredient for the symptomatic treatment of osteoarthritis and joint discomfort



**Bioiberica's Glucosamine API is a high-quality, animal-origin ingredient for the development of finished pharmaceutical formulations targeting osteoarthritis and joint discomfort.**

As a world-reference in animal-derived APIs, our pharmaceutical grade glucosamine ingredient is **manufactured under strict GMP quality standards** and complies with US and EU Pharmacopoeias. Bioiberica's Glucosamine is available in the form of:

- Glucosamine hydrochloride
- Glucosamine sulfate sodium chloride
- Glucosamine sulfate potassium chloride

We also offer the **technical support and regulatory expertise** manufacturers need to bring their products to market faster and with enduring success.

## About Glucosamine

Glucosamine is an amino sugar and precursor for the synthesis of glycosaminoglycans (GAG) – such as hyaluronic acid – which is a component of most connective tissues and therefore important for joint health. It is also a natural component of proteoglycans found in articular cartilage, intervertebral disc and synovial fluid.



As individuals age, the cartilage gradually deteriorates, causing pain and discomfort. Glucosamine API is therefore considered a Symptomatic Slow Acting Drug for the symptomatic treatment of mild knee osteoarthritis and joint discomfort, and demonstrates the ability to reduce joint pain and improve mobility.<sup>1</sup>

## Features and overview

- Suitable for pharmaceuticals
- DMF available on demand
- Recommended dosage: 1.178 mg of glucosamine

**Origins available:** Exoskeleton of crustaceans

**Physical appearance:** White or almost white, crystalline powder

**Purity:** 98-102%

**Sample size:** 75 g

**MOQ:** 150 kg

**Retest:** 24 months

**Packaging:** 25 kg double bag in kraft drum

**Storage:** Room temperature

**Pharmacopoeia:** Europe, United States and Russia

## Certificates

- GMP certificate for APIs
- TFDA registration (Taiwan)
- Normative Documentation (ND, Russia)

## Your partner for taking healthcare further

We are your trusted partner for growth and innovation in the healthcare market.

In addition to our specialisation in animal-origin biomolecules, our production capacity and strong partnership with our suppliers guarantee full traceability, safety and sustainability. Our commitment to international standards and industrial excellence provides peace of mind that our APIs are manufactured to the highest quality, safety and regulatory standards.

### European supplier:

- Reference in animal-derived APIs
- GMPs
- Derived from animals declared fit for human consumption

### Extensive product support:

- Quality & technical support
- Regulatory support
- Market experience

### Reliable supply:

- Highest safety standards
- Robust production capacity
- Price & supply stability

## About Bioiberica

Bioiberica is a global Life Science company, with more than 45 years' experience in the identification, extraction and development of biomolecules of high biological and therapeutic value for the pharmaceutical and nutraceutical industries.

This specialisation positions Bioiberica among the leading Heparin API manufacturers and a world reference in the research, production and sale of other animal-derived APIs and ingredients, such as thyroid, chondroitin sulfate, glucosamine, native type II collagen and hyaluronic acid.

To accelerate healthcare developments and support patients worldwide using Bioiberica's Glucosamine API, contact us today.

Visit: [www.bioiberica.com](http://www.bioiberica.com) Email: [healthcare@bioiberica.com](mailto:healthcare@bioiberica.com) Call: +34 93 490 49 08

Glucosamine<sup>®</sup>

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Taking life science further