

## NATURAL HEALTH PRODUCT

### GLUCOSAMINE SULFATE

This monograph is intended to serve as a guide to industry for the preparation of Product Licence Applications (PLAs) and labels for natural health product market authorization. It is not intended to be a comprehensive review of the medicinal ingredient.

#### Notes

- ▶ Text in parentheses is additional optional information which can be included on the PLA and product labels at the applicants' discretion.
- ▶ The solidus (/) indicates that the terms and/or statements are synonymous. Either term or statement may be selected by the applicant.

#### Date

August 28, 2018

#### Proper name(s), Common name(s), Source material(s)

Table 1. Proper name(s), Common name(s), Source materials(s)

Proper name(s)	Common name(s)	Source material(s)		
		Common name(s)	Organism group(s)	Part(s)
2-Amino-2-deoxy-D-glucose sulfate	Glucosamine sulfate	<ul style="list-style-type: none"> <li>▶ Glucosamine Sulfate</li> <li>▶ Potassium Chloride</li> <li>▶ Glucosamine Sulfate</li> <li>▶ Sodium Chloride</li> </ul>	<ul style="list-style-type: none"> <li>▶ Crab</li> <li>▶ Lobster</li> <li>▶ Prawn</li> <li>▶ Shrimp</li> </ul>	Exoskeleton

References: Proper name: NLM 2018; Common name: USP 32 2009, Sweetman 2007, Towheed and Anastassiades 2007; Source information: ITIS 2008, Kralovec and Barrow 2008.

#### Route of administration

Oral

#### Dosage form(s)

This monograph excludes foods or food-like dosage forms as indicated in the Compendium of Monographs Guidance Document.

Acceptable dosage forms for the age category listed in this monograph and specified route of administration are indicated in the Compendium of Monographs Guidance Document.



### **Use(s) or Purpose(s)**

- ▶ Helps to relieve joint pain associated with osteoarthritis (Herrero-Beaumont et al. 2007; Usha and Naidu 2004; Pavelka et al. 2002; Reginster et al. 2001; Thie et al. 2001).
- ▶ Helps to relieve pain associated with osteoarthritis of the knee (Herrero-Beaumont et al. 2007; Usha and Naidu 2004; Pavelka et al. 2002; Reginster et al. 2001).
- ▶ Helps to protect against the deterioration of cartilage (Pavelka et al. 2002; Reginster et al. 2001).
- ▶ A factor in maintaining healthy cartilage and/or joint health (Towheed and Anastassiades 2007; Pavelka et al. 2002; Reginster et al. 2001)

The following combined use(s) or purpose(s) is/are also acceptable:

Helps protect against the deterioration of cartilage and relieve joint pain associated with osteoarthritis (Herrero-Beaumont et al. 2007; Usha and Naidu 2004; Pavelka et al. 2002; Reginster et al. 2001; Thie et al. 2001)

### **Dose(s)**

#### **Subpopulation(s)**

Adults 18 years and older

#### **Quantity(ies)**

1,500 milligrams of glucosamine sulfate, per day (Herrero-Beaumont et al. 2007; Pavelka et al. 2002; Reginster et al. 2001)

#### **Direction(s) for use**

No statement required.

### **Duration(s) of use**

Use for at least 4 weeks to see beneficial effects (Mehta et al. 2007; Usha and Naidu 2004; Houtp et al. 1999; Qiu et al. 1998).

### **Risk information**

#### **Caution(s) and warning(s)**

- ▶ Consult a health care practitioner/health care provider/health care professional/doctor/physician if symptoms worsen.

- ▶ Consult a health care practitioner/health care provider/health care professional/doctor/physician prior to use if you are pregnant or breastfeeding (Sivojelezova et al. 2007).

### **Contraindication(s)**

No statement required.

### **Known adverse reaction(s)**

No statement required.

### **Non-medicinal ingredients**

Must be chosen from the current Natural Health Products Ingredients Database (NHPID) and must meet the limitations outlined in the database.

### **Storage conditions**

No statement required.

### **Specifications**

- ▶ The finished product specifications must be established in accordance with the requirements described in the Natural and Non-prescription Health Products Directorate (NNHPD) Quality of Natural Health Products Guide.
- ▶ The medicinal ingredient must comply with the requirements outlined in the NHPID.

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