

## ■ Chondroitin Sulphate Bovine

### Introduction

Product properties: Chondroitin Sulfate Bovine is extracted from bovine, it mainly contains chondroitin sulfate A & chondroitin sulfate C. Chondroitin Sulfate is widely found in animal cartilage, also existing in bone tendon, ligament, skin, cornea and other tissues. In cartilage, chondroitin sulfate binds proteins to proteoglycan and it binds to collagen. Chondroitin sulfate sodium is white powder and water soluble.

Functions: Chondroitin sulfate is a sulfated glycosaminoglycan (GAG) composed of a chain of alternating sugars (N-acetylgalactosamine and glucuronic acid). It is usually found attached to proteins as part of a proteoglycan. A chondroitin chain can have over 100 individual sugars, each of which can be sulfated in variable positions and quantities. Chondroitin sulfate is an important structural component of cartilage and provides much of its resistance to compression. Along with glucosamine, chondroitin sulfate has become a widely used dietary supplement for treatment of osteoarthritis.

### Ingredient

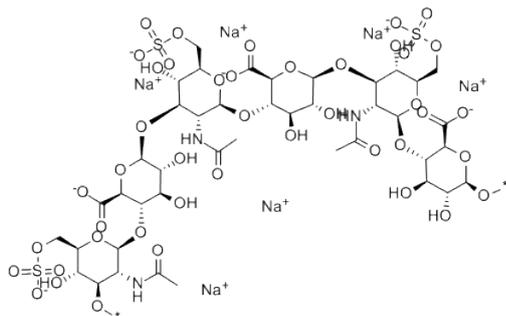
Product Name Chondroitin Sulfate Bovine

CAS 9007-28-7, 39455-18-0

MF (C<sub>14</sub>H<sub>19</sub>NO<sub>14</sub>SN<sub>2</sub>)<sub>n</sub>

MW

MS



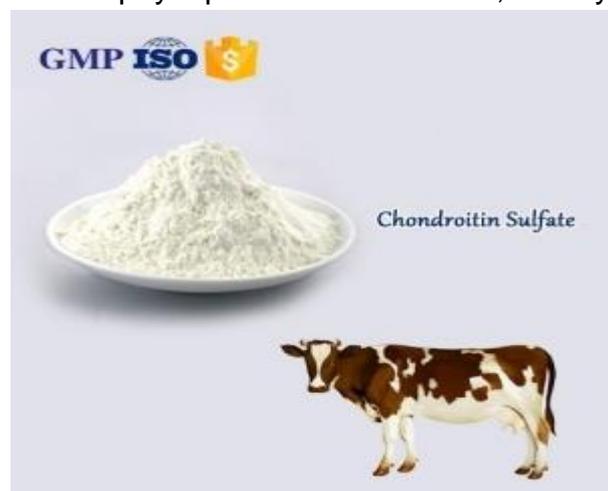
### Item and Standard

ITEM	UNIT	STANDARD
Appearance		white powder
Identification		infrared spectroscopy sodium reaction
Assay	%	≥90%、95%、98%
Loss on Drying	%	≤10%
Protein	%	≤6.0%

Heavy Metal		≤20PPM
PH		5.5-7.5
Specific Rotation		-20°- -30°
Chloride	%	≤0.5%
Sulphate	%	≤0.24%
Residue	%	20%-30%
Clarity		<0.35@420nm
Organic Volatile Impurities		meet requirements
Total Plate Count		≤1000Cfu/g
Yeast & Mold		≤100Cfu/g
Salmonella		negative
E.Coli		negative
Staphylococcus Aureus		negative

## Application

- 1.Chondroitin sulfate is used for osteoarthritis.
- 2.Some people use chondroitin sulfate for heart disease, weak bones (osteoporosis), and high cholesterol. Chondroitin sulfate is also used in a complex with iron for treating iron-deficiency anemia.
- 3.Chondroitin sulfate is available as an eye drop for dry eyes.
- 4.Chondroitin sulfate is mainly used as medicine in the medical treatment of joint disease, and glucosamine used in conjunction with pain, promote cartilage regeneration effect, can improve joint problem fundamentally.
5. Chondroitin sulfate for corneal collagen fibers have a protective effect, can promote the growth of the matrix fiber reinforced permeability, improve blood circulation, accelerate metabolism, promote the absorption and elimination of inflammation permeate.
6. Chondroitin sulfate can be used to treat nervous headaches, trigeminal neuralgia, coronary heart disease, angina, myocardial ischemia, cerebrovascular disease, joint pain, atherosclerosis and hepatitis.
7. Chondroitin sulfate can be used as health care products, food additives, has enhanced the human physique and anti-bacteria, beauty, anti-aging effects. Improve hearing and dry skin.





## **Packaging**

25KG

## **Storage**

Please reading safety data sheet before carrying or using the product.  
Cool and dry, keep tightly closed, quality guarantee period is two years.