

What is Chondroitin?

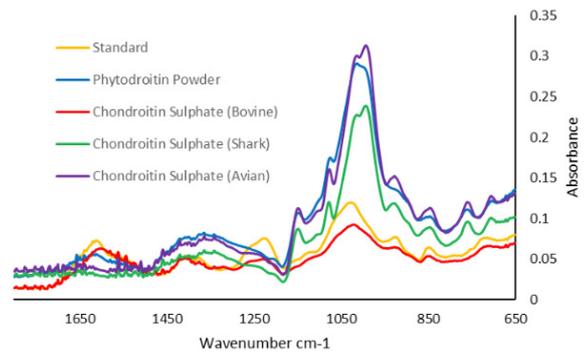
- Chondroitin is one of the building blocks of cartilage – the tough tissue that acts as a shock absorber around the joints in humans. It's chondroitin's job to help your cartilage hang on to water – increasing its elasticity.
- Chondroitin is a mucopolysaccharide composed of a chain of alternating sugars. It is a structural component of cartilage and provides much of its resistance to compression.
- It's traditionally sourced from shark, bovine, porcine or avian cartilage.
- Many studies suggest that chondroitin has clinical benefits in reducing pain from arthritis and joint stiffness.

What is Phytodroitin®?

- Phytodroitin® is a plant-based alternative to Chondroitin suitable for Vegan and Vegetarian products, but also broader demographic products due to widespread concern about Chondroitin's animal origin/sustainability.
- Phytodroitin® is a complex blend of algal extracts that are shown to mimic the mucopolysaccharide structure of Chondroitin.
- Phytodroitin® consists of a fermentation-origin polysaccharide comprising of glucuronic acid and N-acetylglucosamine together with specific, mucopolysaccharide-rich algal extracts.
- The result is a complex blend of algal extracts that are shown to mimic the mucopolysaccharide structure of Chondroitin.

Phytodroitin® Research Study

- We engaged Nottingham Trent University (NTU) in the UK to compare the mucopolysaccharide structure of Phytodroitin® with Chondroitin.
- NTU used fourier transform infrared (FTIR) spectroscopy, sampling of the powders being performed using the attenuated total reflectance technique.
- The results show Phytodroitin® to be almost identical in mucopolysaccharide structure to Chondroitin Sulphate of Shark origin, and particularly Chondroitin of Avian origin.



Quick Facts:

- Suitable for Vegans and Vegetarians
- Non GMO, EtO Free, Allergen Free
- Not Novel in consideration of Regulations (EU) 2015/2283
- Recommended 400mg dose per day
- Supplied as a free flowing compressible powder
- Cold water dispersible
- MOQ 25kg, stock held in the UK
- Shelf life 24 months from date of manufacture