



## PRODUCT PROFILE SHEET

Our Chondroitin sulfate (CS) is a natural, high quality ingredient from bovine origin, produced in compliance with Good Manufacturing Practice (GMP) and European dietary supplement regulations.

It undergoes strict analysis to meet European standards and is purified multiple times to meet high level pharmacopeial purity standards. The quality starts with the sourcing of uncontaminated animal cartilage, ensuring its consistent high quality.

Product Advantages
✓ <b>High Quality</b>
✓ <b>Controlled European Facility</b> HACCP and EU-GMP
✓ <b>Extremely low naturally related substances</b> (i.e. Keratan sulfate, Dermatan sulfate, Heparan sulfate and Nucleic acids)
✓ <b>Purified &amp; Freeze Dried</b>
✓ <b>Solvent-Free</b>
✓ <b>Good Solubility</b>
✓ <b>Full Traceability</b>
✓ <b>Good Performance</b> on Direct Compression (DC)Tableting
✓ <b>Consistent and Reliable Source of Supply</b>
✓ <b>Qualified and Approved by our Regulatory Team</b>
✓ <b>Backed by LEHVOSS Technical &amp; Commercial Support</b>

© 2024 Any information or recommendations made for use of Seller's materials do not affect in any way Buyer's obligation to examine and/or test the Seller's goods with regard to their suitability for Buyer's purposes especially with regard to consumer use. No information given by the Seller is to be construed in any way as a guarantee regarding characteristics or duration of use, unless such information has been explicitly given as a guarantee. Any information given on the website is only applicable to the ingredients supplied by Seller and it is Buyer's obligation to ascertain how to advertise and label products containing the ingredients towards the final consumer.

## Research

In a review of 43 randomized-controlled trials (RCTs), 4,962 participants were treated with chondroitin and 4,148 participants given either a placebo or another control. The majority of trials focused on **knee osteoarthritis**, with others on **hip and hand osteoarthritis**. The trial durations ranged from 1 month to 3 years. The results from these trials suggested participants who took chondroitin showed a 20% knee pain reduction (as measured by the WOMAC Pain subscale).<sup>1</sup>

Another review of 20 randomized-controlled trials (RCTs) also confirms the benefits of chondroitin sulfate for **knee osteoarthritis**. Furthermore, when stopped after 3 months of continuous daily administration, CS will in most cases, offer lasting effects which can last for a couple of months.<sup>2</sup>

Skin aging primarily occurs due to moisture loss. Studies suggest that Chondroitin may help to maintain **skin hydration**, therefore preserving a youthful appearance.<sup>3</sup>

## Product Safety

In a clinical review, chondroitin sulfate has proven to be well tolerated and safe in all available RCTs performed.<sup>2</sup> Furthermore, chondroitin sulphate has been used worldwide for many years in food supplements and pharmaceuticals, without any side effects.

## Product Range

LEHVOSS Code	Active Ingredients	Form
26002393	90.0% - 105.0% (on dried basis)	Powder

## Product Dosage

Recommended serving 800-1200mg/day depending on health requirements.

## About



LEHVOSS Nutrition is the European division of the Hamburg based group LEHVOSS, specialising in the sourcing, technical approval, sales and marketing of specialty ingredients for the food supplement, pharma, animal nutrition and functional foods industries.

### References

1. Singh et al. Chondroitin for osteoarthritis: doi:10.1002/14651858.CD005614. Jan 2015.
2. Uebelhart M.D. Clinical review of chondroitin sulfate in osteoarthritis: doi:10.1016/j.joca.2008.06.00. Oct 2008.
3. Min et al. Potential anti-ageing effect of chondroitin sulphate through skin regeneration. doi:10.1111/jcs.12645. Aug 2020.