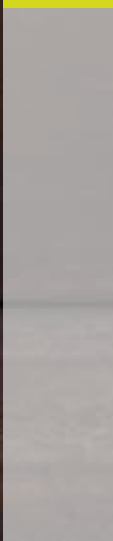




chondractiv® 

JOINT HEALTH



# EFFICIENT FOR JOINT CARE



## MARKET

Joint mobility issues are very common worldwide, affecting millions of individuals, specially elderly and overweight people.

As obesity incidence is growing and the population age is increasing over the next few decades, the requirement for alternative joint relief solutions will increase and will become more important.

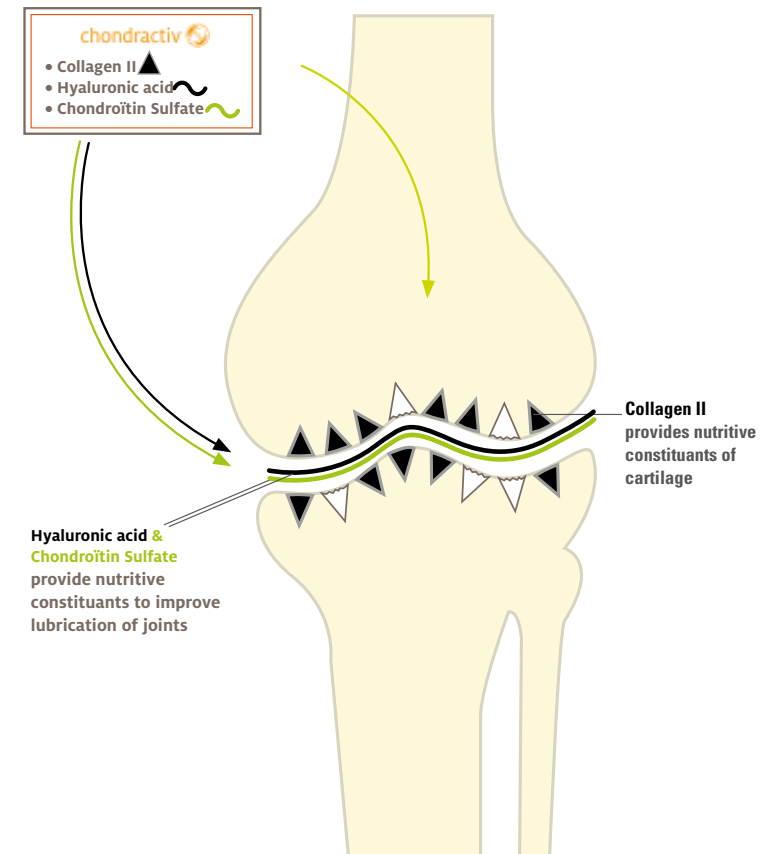
## OUR SOLUTION

**Diana Food** is a major European supplier of natural ingredients and has decided to take advantage of its 25 years of expertise in the poultry industry to develop a unique process of extraction for a joint healthy ingredient. **Chondractiv®** is extracted from chicken cartilage. Our studies show that **Chondractiv®** improves joint mobility.

## SPECIFICITIES OF OUR SOLUTION

- Food grade
- Good water solubility
- Colorless
- Allergenic free
- Flavorless
- Eco friendly
- Full traceability

## WHAT ARE THE EFFECTS ON YOUR JOINT ?



### Chondractiv® consists in:

- providing synovial liquid constituent thanks to hyaluronic acid and chondroitin sulfate
- providing cartilage constituent with Collagen type II

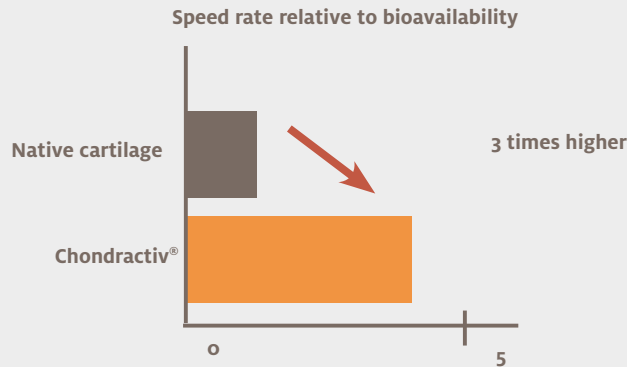
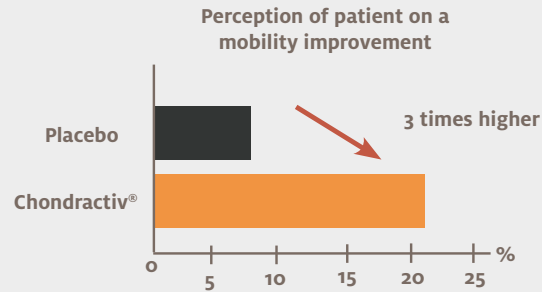
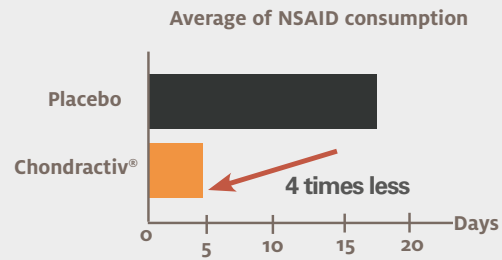
# HEALTH FUNCTIONS BACKED BY SCIENTIFIC STUDIES

## HIGH BIOAVAILABILITY

Study design: *In vitro study*<sup>1</sup>, CaCO<sub>2</sub>  
Comparison of **Chondractiv**<sup>®</sup> and native collagen

## DECREASE OF INFLAMMATORY EFFECT & INCREASE PATIENT'S MOBILITY

Study design: cross-over, double blind placebo controlled human trial<sup>2</sup>. 37 volunteers suffering from joint pain for at least 6 months. Study time: 9 months. 1.5g of **Chondractiv**<sup>®</sup> daily.



## KEY FEATURES

Main specifications :

- Flavor and colorless
- Soluble
- Ecofriendly
- Improve joint mobility
- Daily dose: 1,5 g/day



<sup>1</sup> *In vitro* evaluation of collagen hydrolysis bioavailability of collagen, DIANA (2005)  
<sup>2</sup> Efficacy and tolerance of a product aiming at decreasing articulation pain, DIANA (2010)



# FREQUENTLY ASKED QUESTIONS

### What is Chondractiv®?

**Chondractiv®** is a standardized, patented joint health ingredient containing a combination of collagen type 2, chondroitin sulfate and hyaluronic acid. This combination is proven to improve joint mobility.

### How can Chondractiv® help to improve joint mobility?

**Chondractiv®** has a high collagen type 2 content (55%). It is an essential building block required to maintain the cohesion of the cartilaginous matrix (50% of the solid part of the joint cartilage is constituted by type 2 collagen fibres). The 12% chondroitin sulfate and 1-2% hyaluronic acid contribute to the permanent renewal of proteoglycans, a major biochemical component of joints.

### Is Chondractiv® effective?

Clinical trials on 37 people suffering from joint issues have demonstrated that **Chondractiv®** decreases the consumption of non-steroidal anti-inflammatory drugs (NSAID's) by 73% and improves mobility and quality of life. These double-blind, placebo-controlled trials were performed with a 1500 mg **Chondractiv®** daily intake against placebo for three months, with additional testing after a three months period.

### Who should take Chondractiv® ?

**Chondractiv®** is recommended for anyone who is looking to maintain an active lifestyle.

### Can Chondractiv® be used with other joint ingredients?

**Chondractiv®** is proven to be effective alone but may also be used in combination with other joint care ingredients for synergistic effects.

### Is Chondractiv® bioavailable?

**Chondractiv®** contains, in a bioavailable form, the three key components of healthy joints. **Chondractiv®** is three times more bioavailable than native cartilage, reaching joints through blood circulation.

### What is the daily dosage of Chondractiv® recommended?

The clinically studied dosage is 1500 mg of **Chondractiv®** per day. We suggest 500-1500 mg in your product formulation.

### Where is Chondractiv® produced?

**Chondractiv®** is extracted from chicken cartilage, and is produced in France, in a FSSC22000 certified facility.

TECHNICAL DOSSIER ON REQUEST

WELL-BEING BY NATURE



dianafood

[www.diana-food.com](http://www.diana-food.com) • [contact@diana-food.com](mailto:contact@diana-food.com)

This brochure concerns industry professionals. It only pertains to food ingredients not final food products. It is the responsibility of each manufacturer to verify the compliance of the final product's labeling and communication indicated on the finished foods to be delivered as such to the consumer with respect to the current local legislation. In Europe, this is based on regulation (EC) No 1924/2006 on nutrition and health claims.