



# ARTI MATRIX

## FOR COMPLETE JOINT AND TENDON CARE

### 1. RECOMMENDED USE

**Cavalor Arti Matrix provides the appropriate nutrients to support the musculoskeletal system of sport horses when they are under additional stresses.**

Cavalor Arti Matrix offers a matrix solution for problems associated with bones, joint capsules, tendons, cartilage and synovial fluid, which mainly manifest themselves in horses with a sensitive musculoskeletal system or horses subject to heavy physical exertion. Acute or structural joint problems call for a different requirement of specific nutrients. In addition to joint supporting nutrients, Cavalor Arti Matrix also provides nutrients that support certain physiological processes to ensure that the musculoskeletal system can quickly and effectively return to its optimum condition.

### 2. PRODUCT PROPERTIES – KEY INGREDIENTS

**Type II hydrolysed collagen:** Type II collagen produces fibre. This collagen fibre network supports the joints and strengthens tissue.

**Methylsulfonylmethaan (MSM):** is an organosulphur compound. Sulphur is important for the muscles, joints, cartilage, bones and blood; MSM is the most easily absorbable and biologically available source of sulphur.

**Glucosamine, chondroitin sulphate and hyaluronic acid:** Glycosaminoglycans are vital building blocks for ligaments, tendons, bones and synovia (synovial fluid). The chondroitin sulphate we use has a low molecular weight, which means that it is easily absorbed into the horse's body. Similar to other raw materials, quality is also a benchmark for price and effectiveness in this case. Cavalor selects raw materials with the highest active ingredient content. For example, the chondroitin sulphate contains 90 % active ingredients.

**L-Glutamine:** Is a building block for glutathione, an antioxidant. Glutathione is important in the recovery process following an injury.

**Whey protein isolate (WPI):** a glutathione precursor. Glutathione is a very powerful antioxidant. Pure glutathione cannot be administered orally. Cavalor uses a nutrient complex called WPI that stimulates the production of glutathione in the body. Glutathione protects the cells from the destruction caused by increasing attacks from free radicals. glutathione combined with other antioxidants such as vitamin C, E, bioflavonoids and selenium neutralises these free radicals.

**Vitamin C + E + beta-carotene + bioflavonoids (grape seed extract):** have a significant antioxidant function, are important for the absorption of active ingredients and strengthen the immune system.

**B vitamins: folic acid, vitamin B6 and vitamin B12:** play a key part in supporting the body's metabolic processes.

**Combination of inorganic and organic (IntelliBond and chelated) minerals copper, zinc and manganese:** Organic minerals have a better biological availability but inorganic minerals are more stable.

**Lithothamnion:** calcareous marine algae which contain different forms of calcium that have a beneficial effect on bone strength.

#### It's all in the mix - a complex mixture of botanical ingredients



We use a special mixture of herbs and essential oils including Ananasus comosus, Curcuma longa, Boswellia serrata, Equisetum arvensis, Citrus aurantifolia and Tanacetum parthenium. The ingredients in this mixture have a cumulative and synergetic effect, which has been scientifically proven in our research programme 1,2,3. The combination of herbs and essential oils ensures, for example, that all ingredients easily reach the joint, promote repair and reduce stiffness.

Again we focus specifically on the quality of the raw materials, which really makes a difference with herbs in terms of their guaranteed concentration and efficacy. For example, the form of Curcuma we use contains 95 % curcuminoids, the active substance.

<sup>1</sup> University of Prince Edward Island, Canada (2011). Effect of herbal extract and certain ingredients on monocytes production tumor necrosis factor (TNF) in an in vitro model.

<sup>2</sup> University of Prince Edward Island, Canada (2013). Screening the efficacy of various multiherbal formulations for the additive effects in an in vivo joint inflammation model.

<sup>3</sup> University of Prince Edward Island, Canada (2013). Evaluation of 7 different ingredient combinations - raw materials and multiherbal formulations - in an in vitro joint inflammation model.

# JOINTS AND TENDONS

<b>MSM</b> → 127,100 mg/kg	<b>VITAMINE C</b> → 20,000 mg/kg	<b>VITAMINE B12</b> → 4 mg/kg
<b>GLUCOSAMINE</b> → 120,000 mg/kg	<b>VITAMINE E</b> → 6,999.3 IU/kg	<b>COPPER</b> → 1,209 mg/kg
<b>CHONDROITIN SULPHATE</b> → 40,000 mg/kg	<b>FOLIC ACID</b> → 450 mg/kg	<b>ZINC</b> → 5,500 mg/kg
<b>HYALURONIC ACID</b> → 900 mg/kg	<b>VITAMINE B6</b> → 400 mg/kg	<b>MANGANESE</b> → 5,500 mg/kg
<b>L-GLUTAMINE</b> → 27,000 mg/kg		

**PRODUCT PROPERTIES – KEY INGREDIENTS**

### 3. INSTRUCTIONS FOR USE

Mix 30 g (ponies and leisure horses) or 45 g (sport horses) of Cavalor Arti Matrix with the feed daily.

1 measuring scoop in the bucket is equal to 15 g. Maximum 90 g per horse per day. The best results are achieved after a minimum of 4 weeks.

**Tip:** The shared ingredients in Cavalor Arti Matrix and Cavalor ArtiTec make it easy to switch from one product to another. Our experience has shown that it may be useful to switch to Cavalor ArtiTec for optimum protection during periods of hard work.

Not every horse needs the same level of protection. Cavalor Arti Motion supports healthy tendons and joints and is especially intended for horses in the growth phase, non-working horses and horses that are not heavily strained. As the intensity of an effort increases, the strain on tendons and joints also grows, meaning there is a greater risk of injury. Cavalor Arti Matrix meets the increased needs of the locomotor apparatus in sport horses and provides extra support. Cavalor ArtiTec provides proven protection at peak times and helps to mitigate negative processes caused by excessive strain.



### 4. STORAGE AND PACKAGING

Store in a cool, dry place. Will keep for up to 3 years after production.

#/OUTER BOX	EANCODE	PACKAGING	# DAYS	TYPE OF HORSE
4		Cavalor Arti Matrix 2 KG - 4.4 lbs	66	Ponies and recreational horses
			44	Sport horses
1		Cavalor Arti Matrix 5 KG - 11 lbs	166	Ponies and recreational horses
			111	Sport horses