



# **CARNOSINE STAR**

## succinic acid

(vitamin E succinate)

# **Anti-aging**

Forever fresh, vigorous, full of power and energy; to have a smooth complexion, beautiful hair and supple skin. It is everybody's wish, to keep that all till the last day of life. Each of us however will have grey hair, wrinkles, sagging skin, muscle loss and increase of fat. Aging is unavoidable. And you say to be only 30, 40, or 50? And that you are of the best age which is normal, if connected with stress, work from morning to evening, short sleep and fast food? That you know you overstrain yourself now, but "later" you will work on your recovery? But take care this "later" would not be too late



# Carnosine can be fairly called an agent of longevity

We are aging both chronologically (by the calendar), and biologically. Chronological aging cannot be prevented, but the biological aging can be. Difference between these two ages can be up to 20 years, so it is worthwhile to do something for you. Every day - and the sooner, the better. It is off course not only a matter of looking well = no wrinkles and a few kilos over, it's a matter of prevention from all diseases accompanying old age: worsened memory, osteoporosis, limited motility, hypertension, etc. Condition of our organs is always reflected in our appearance. And the better is their condition, the better is our look.

Carnosine is considered to be an agent of the century, or also can be fairly called an agent of longevity for its significant anti-aging effect. It is expected to become a requisite supplement for people of any age, especially those reaching 40 or more.

Let us please introduce you CARNOSINE STAR in very short notes.

CARNOSINE STAR is a product that thanks to incorporated carnosine deserves much more than just this brochure information. Carnosine effects are paid even more attention in recent years, large studies are performed in the U.S.A., Australia, United Kingdom, Japan, Scandinavia, Russia, and China.

#### **Bio-effect**

Carnosine is 100% natural substance and its highest concentration is presented in skeletal muscles, heart, cerebellum and cerebrum. Carnosine can remove final toxic wastes from metabolism, regulate diabetic complications, atherosclerosis, Alzheimer's and Parkinson's disease, epilepsy, autism, dyslexia, schizophrenia, and similar syndromes, and also acts as a key substance for creation of new, more resistant structures.

#### **Chelate Effect**

Carnosine is able to chelate metals. The term "chelate" from the Greek ("chele" for "claw"), refers to the ability of a material (herein carnosine) to combine or connect with excess metals in the cells and blood stream. This function provides the following benefits (excluding heavy metal intoxication disease): dilates constricted arteries, reduces hypertension, diminishes free radical activity, improves uptake of oxygen to the cells, removes toxic heavy metals from the body, improves memory, relieves pain in extremities, increases elasticity of blood vessels, improves blood flow to the heart, brain, body organs and legs, improves enzyme activity.

#### **Cataract**

Nearly 100% efficiency has been demonstrated in primary senile cataract subjects and 80% in developed senile cataract subjects. Carnosine drops are used absolutely regularly in some countries as a treatment of many eye diseases.

#### **Potency Disorders**

Carnosine helps also here, since it is just carnosine, from which our body creates nitric oxide whose production in penis is a prerequisite to initiate and keep erection.

#### **Powerful Antioxidant**

Many antioxidants (such as vitamin C and E) protect tissues even before free radical penetration. At the moment when this first line of defence is broken, they have only minor effect. Free radicals then cause so called oxidative stress. Carnosine reacts generally with all reactive forms of oxygen, thus preventing the development of oxidative stress.

## **Prevention of Glycation**

Process known as glycation (glycosylation) runs each second in the whole body. This reaction can be described as a creation of glucose-protein bonds with subsequent production of impaired, non-functional structures. This process modifies protein structure, reducing its bioactivity. Glycation is considered as a significant factor of aging and probably even malignant tumours, including complications caused by diabetes. Glycation processes are inhibited by carnosine.

# Carnosine Rejuvenates Skin

Regeneration of most cells is performed by their division into two cells, called daughter cells. But the cell division is limited to a certain amount - as cells approach this limit, they show the signs of old age- cell senescence. A number of experiments has shown that if "an aging cell was inoculated into carnosine enriched culture; it had not only changed from "old" to "young" cell, but also its division ability had increased."

# Diabetes and its Complications

Carnosine is suitable for all types of diabetes, since it reduces the risk of diabetic complication development, such as hear disease, strokes, arteriosclerosis, urinary disorders and eye complications.

## **Anti-aging Effect**

Carnosine involves actually many "rejuvenating" benefits – it is really wondering how a small molecule can have such amazing effect in body rejuvenation. Carnosine is exceptional in its ability to renew old and aging cells, transforming them into fully active and healthy cells.

# Muscle Aging and Diseases

From the age of 20 to 70, muscular tissues are reduced by 20%, as well as the muscle power and endurance gradually decrease. It has been shown that supplemented carnosine causes almost immediate renewal of full muscular energy and increases power and endurance of tired muscles.

#### **Cardiovascular Diseases**

Healthy cardiac muscle (myocardium) contains naturally a certain amount of carnosine. But the cardiac muscle power and performance is remarkably increased (with up to 30%) by carnosine supplement. Based on the studies performed, the benefits of carnosine can be summarized as follows: increased cardiac muscle power, reduction of hypertension, protection against oxygen deficiency (hypoxia, ischemia) in tissues in ischemic heart disease, prevention of LDL-cholesterol oxidation and thus arteriosclerosis development.

#### **Autistic Disease Issues**

It has been quite a big sensation, when Dr. Michael Chez, neurologist, published his results of autistic disease treatment (Autism and Asperger's syndrome). Carnosine has been administered to almost 1,000 paediatric patients since 2001. As reported by him, the condition of 80–90% of patients has significantly improved already within 8 weeks after the first dose of treatment.

#### **Other Beneficial Health Effects**

Other beneficial health effects are as follows: support of immune system and inhibition of inflammatory processes, gastric ulcer prevention, outstanding support of wound healing, protection against radiation effects, including the inhibition of symptoms in post-irradiation syndrome, cancer prevention.



# Some

# Most Important Carnosine Functions

- · Safe, naturally present in the body and food
- Inhibitor of AGEs, protecting proteins against impairment caused by AGEs
- · Universal antioxidant and aldehyde cleaner
- · Inhibitor of hydroxyl, superoxide and peroxyl radical toxic effects
- Perfect protection against chromosomal (DNA) damage by free radicals
- · Effective inhibitor of lipid peroxidations
- Strong suppressor (in natural way) of glycation processes
- Anti-inflammatory and anti-cancer effect
- Inhibition of protein cross-linking formation
- Multifunctional protection of proteins and phospholipids
- · Protection of proteins against carbonylation
- Inhibition of processes where healthy proteins are damaged by their denatured forms
- Helps in recycling damaged proteins through a proteasome protection
- · Helps to maintain usual protein cycle
- · Significantly beneficial effect in autistic diseases
- Protection of cerebral cells against damage
- Protection of cerebral proteins and biochemical parameters
- · Rejuvenation of cultivated human cells in senescence
- Neurotransmitter function
- Life prolongation
- Protects against toxic heavy metal impacts, chelates zinc and copper resulting in formation of zinc and copper chelators that dissolve plaques in Alzheimer's disease (beneficial effect of the chelators)
- Inhibits formation of cross-linking of beta-amyloid protein in Alzheimer's disease and its penetration into plaques



Ingredients:
Carnosine 250 mg,
Vitamin E 46 mg,
Coenzyme Q10 15 mg.
Directions:
1 capsule twice
a day with food.







