

# ALGASTIN with vitamin E

## Protection against oxidative stress



### WHAT INFLUENCES US?

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- Lack of physical exercise resulting in obesity
- Stress
- Wrong eating habits, high-fat meals
- Smoking
- Lack of high-quality sleep
- TV watching and sitting at computer

#### **Negative external influences - sources of free radicals**

- Water and air pollution
- Chemicals used in daily life
- Preservatives and additives in food
- Increased UV radiation exposure

### HOW DOES ALGASTIN WITH VITAMIN E HELP?

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- Influences positively the immune system
- Influences positively the heart activity
- Influences positively the brain
- Influences positively the eyes
- Delays cell aging
- Increases physical performance
- Influences positively the skin, joints and tendons
- Protects from UV radiation

# ASTAXANTHIN

## Algastin - natural astaxanthin from an alga *Haematococcus pluvialis*

Natural astaxanthin obtained from the freshwater microalga *Haematococcus pluvialis* is the **only one** approved for human consumption. Algamo astaxanthin is obtained by **ultra clean supercritical fluid extraction** by carbon dioxide. It is a **bio-based natural product** produced using no solvents.

### Four basic attributes differentiating astaxanthin from other antioxidants:

- 1) Astaxanthin positions itself across the entire cell membrane and protects the **whole cell**
- 2) Astaxanthin is not a **pro-oxidant**
- 3) Astaxanthin passes the **blood-brain** and **blood-retinal** barrier
- 4) Astaxanthin binds to the muscle tissue

Astaxanthin is able to cope with **up to 19 free radicals at the same time** while most of other antioxidants with only one.

## Vitamin E

is soluble in fats and is deposited mainly in the fat tissue, liver and muscles. It is an **important antioxidant fighting against free radicals** in our body. It also **eliminates undesirable harmful substances** from the liver. It has **multiple activities**. The human body, however, cannot produce it and, therefore, we have to receive vitamin E from food.

### Vitamin E acts positively in:

1. Cardiovascular diseases
2. Blood flow impairment
3. Cell protection
4. Skin problems
5. Wound healing
6. Degenerative eye diseases
7. Diabetes
8. Peptic ulcers
9. Male and female infertility
10. Nervous system impairment
11. Dementia
12. Joint impairment

### Astaxanthin power to eliminate the singlet oxygen (a DNA-damaging radical) is:

- 200x** stronger than that of lutein
- 500x** stronger than that of vitamin E
- 560x** stronger than that of green tea catechins
- 800x** stronger than that of coenzyme Q10
- 3000x** stronger than that of resveratrol
- 6000x** stronger than that of vitamin C

## ADVANTAGES OF NATURAL ASTAXANTHIN

- Natural astaxanthin is obtained from living algae while synthetic astaxanthin is produced from oil derivatives
- Has higher biological activity than synthetic astaxanthin
- Is 20-50 times more effective than synthetic astaxanthin
- Is safe for use both in humans
- Synthetic astaxanthin has never been tested for safety in human use
- Use of synthetic astaxanthin in humans is not allowed

## NATURAL ASTAXANTHIN INFLUENCES POSITIVELY

- 1) Brain
- 2) Eyes
- 3) Cardiovascular system
- 4) Skin (UV protection)
- 5) Immune system
- 6) Cell ageing
- 7) Male fertility
- 8) Sporting performance
- 9) Muscles and joints

