

# LiveLin<sup>®</sup>

made by nature

**The secret of our food supplements**

## What prevents lasting health?

Thousands of different chemical reactions take place in the human body at any given moment. These reactions are conditioned, among other things, by the presence of molecules of organic substances, which our organism cannot produce by itself, but must receive them "from outside".

One of the reasons for many so-called diseases of civilization is the exclusive intake of industrially processed foods. Many vital components for us have been permanently removed from these "artificial" foods.

However, without natural substances obtained from bacteria, fungi, yeast and other living organisms, a number of complex processes in our body will not take place at all.

*"LiveLin is a complex of exclusively natural substances composed by noble yeast."*



# The Secret of LiveLin

The most valuable thing that only nature can prepare is concentrated in LiveLin. LiveLin is a product of advanced biotechnology.

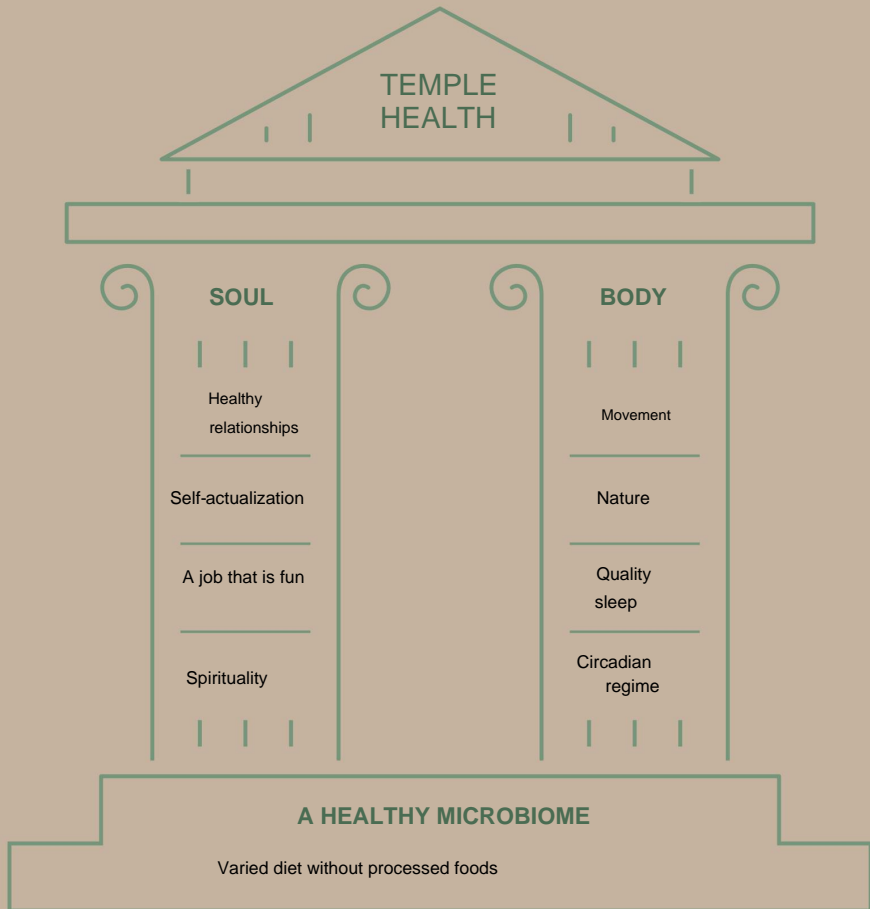
Enzymes, hormones and vitamins are very complex organic molecules. They usually exist in different forms, which we call isomers.

Isomers of the same substance are very similar. They have the same number of atoms, the same number of bonds and the same mass. Only the spatial arrangement is slightly different. However, it is precisely this that plays a fundamental role in the effectiveness of many substances.

Synthetically prepared or chemically isolated forms often fail to keep pace with nature.

*"Only natural processes produce effective forms of complex organic molecules. Nature, unlike man, has no reason to waste energy on the production of non-functional variants."*

Overall health is like a stone temple, and a healthy microbiome is its foundation.



# LiveLin is not a powder

## LiveLin is a lifestyle

The most valuable thing we have is our health.

If you're looking for a miracle cure for eternal life, you're probably going to be disappointed. It is necessary to constantly strive for good health and a long life.

A basic condition for achieving this goal is a healthy microbiome.

Perhaps the biggest enemy of the human microbiome is industrially processed food, from which many nutrients necessary for health have disappeared. A sterilized food chain is forced to use various chemical additives and preservatives whose sole purpose is to kill all living things.

Let's do something essential for our health today. Let's support our healthy microbiome. Let's stop eating sterile, purely industrial food, eat fiber and supplement all the necessary substances in a natural way, e.g. using LiveLin. Only on a healthy foundation can a healthy body and balanced mind prosper permanently.

## Why use LiveLin?



### **STRONG IMMUNITY**

prevention and protection against diseases



### **ENERGY AND LONGEVITY** thanks to

coenzyme Q10 and NAD+



### **PROTECTION AGAINST FREE RADICAL ATTACKS**

reducing the risk of civilization diseases



### **A HEALTHY MICROBIOME**

for solid physical and mental health

# Who is LiveLin for?



**40+**

daily replenishment of substances that decrease with age in optimal amounts



**ATHLETES**

cardio and regeneration support



**PEOPLE WITH DEMANDING JOBS**

energy supply and resistance to stress



**STUDENTS**

support of brain functions and concentration





## Strong immunity

LiveLin contains the strongest known immunostimulants - betaglucons.

*When the US Department of Defense evaluated more than 300 potential immune boosters, yeast beta-glucans scored the highest of all.*

The ability of beta-glucans to activate lymphocytes has been tested in more than 800 studies, and the ability of beta-glucans to protect against otherwise fatal infections has been proven.

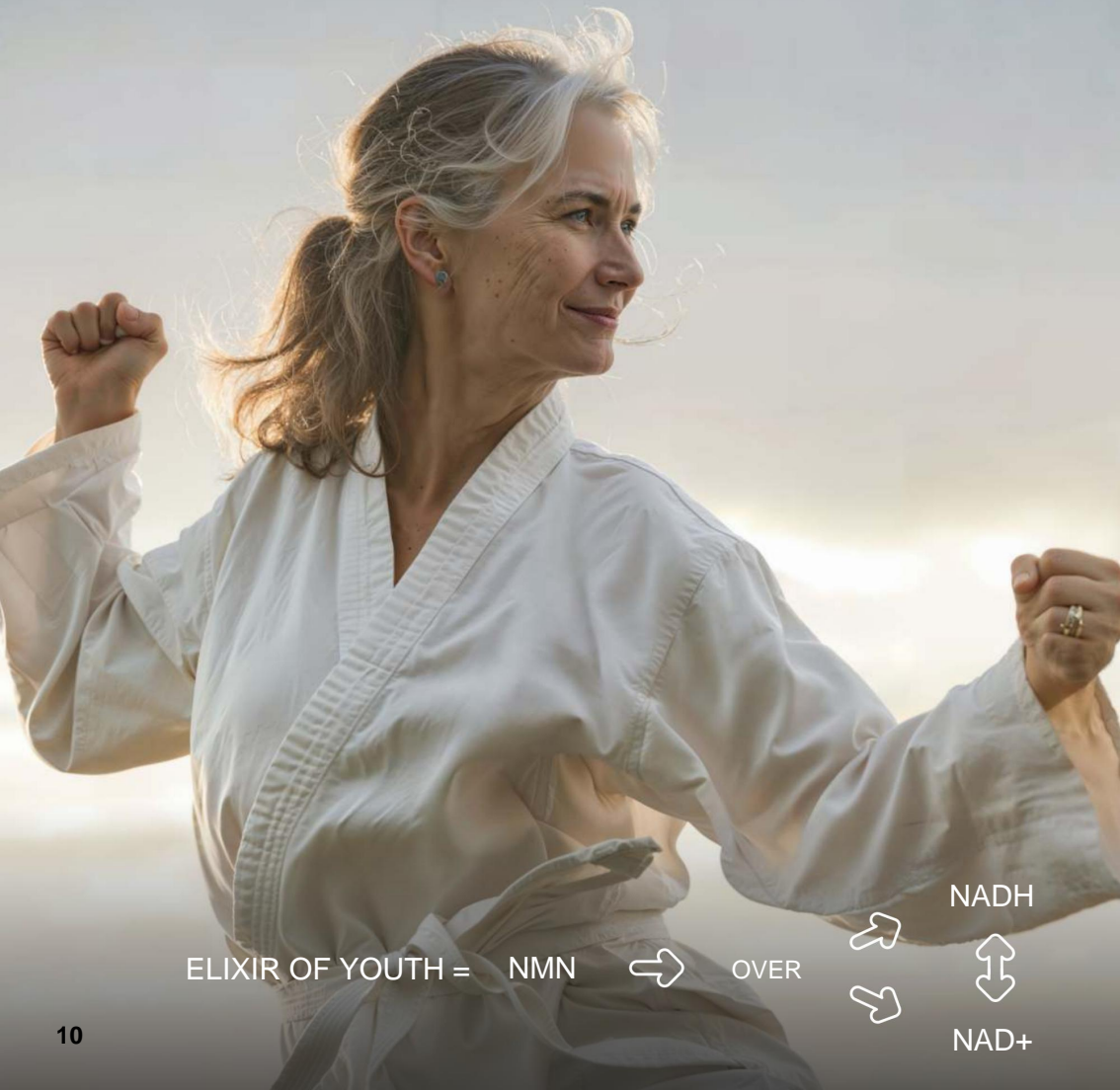
*The U.S. Army Radiobiology Institute's robust research program came to a finding that was published back in 2004, which claims that beta-glucans not only protect against infection caused by bacteria, viruses, and fungi, but also provide protection against radiation damage.*

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During the studies, an accelerated recovery of the number of white blood cells was also demonstrated thanks to the administration of beta-glucans, which thus make radiotherapy safer.

Due to the high content of beta-glucans, carotenoids, coenzyme Q10, vitamins C, B, and D, LiveLin significantly strengthens the body's immunity and exhibits prebiotic effects.

<sup>1)</sup> Dr. Paul Clayton PhD. - How to strengthen your immune system



ELIXIR OF YOUTH = NMN



OVER



NADH



NAD+

# Energy and longevity

What photosynthesis is to a plant, cellular respiration is to an animal cell. Thanks to this process, the animal cell generates heat and energy.

The essential components of the cellular respiration process are:  
oxygen, water, glucose, coenzyme Q10 and NAD+.

If any of these components were missing, the animal cell would die within minutes.

Many scientific studies show that most cardiovascular problems are related to a lack of coenzyme Q10, which is often called the coenzyme of youth.

As we age, the body loses the ability to produce sufficient amounts of coenzyme Q10 and NAD+. In the case of a lack of these essential substances for life, the cells cannot work as they should, there is a lack of energy and the organism ages.

NAD+ is gaining popularity and many Hollywood celebrities have latched onto it as one of the most effective anti-aging agents.

Regular use of LiveLin helps maintain optimal levels of coenzyme Q10 and NAD+ in the body.



# Free radicals

Free radicals are reactive particles arising as a by-product of metabolism directly in our organism. It is often at the beginning of many serious diseases, including cancer, cardiovascular, pulmonary and immune diseases. In addition, it is involved in accelerating aging

Free radicals are created directly in the body in basically two ways:

The respiratory chain is the most important producer of the most dangerous free radical – the hydroxyl group  $\text{OH}\cdot$ .

Neutrophils and macrophages destroy the invaders using peroxide, which breaks down into free radicals.

We are constantly exposed to various types of free radicals from the environment.

Coenzyme Q10 is the only and most important destroyer of free radicals that can also fight inside mitochondrial cells.

Carotenoids are also among the strongest antioxidants - by this we do not mean only cheap beta-carotene, but a naturally balanced complex of the most effective carotenoids - lycopene, torulene, torularhodin, beta-carotene and others that LiveLin contains.



# A healthy microbiome

There are 3 forms of living matter: plant, animal and microbial.

Each of them is unique and can often do what the other two forms cannot.

The rice genome contains about 40,000 genes. The human genome contains less than 23,000 genes. The genetic information of a grain of rice is therefore almost twice as comprehensive as the genetic information of a person. Nevertheless, unlike rice, the human organism can create such rich complexes as hormones, vitamins, enzymes, proteins, amino acids, and other complicated substances.

This is because the human organism does not produce many complex components by itself. For this, it uses its own army of microorganisms.

Viruses, bacteria, some fungi and even fungi make up what is collectively called the microbiome. In order for a healthy microbiome to fulfill its irreplaceable role, it must receive appropriate "food" on a regular basis.

We call this food necessary for the microbiome a prebiotic.

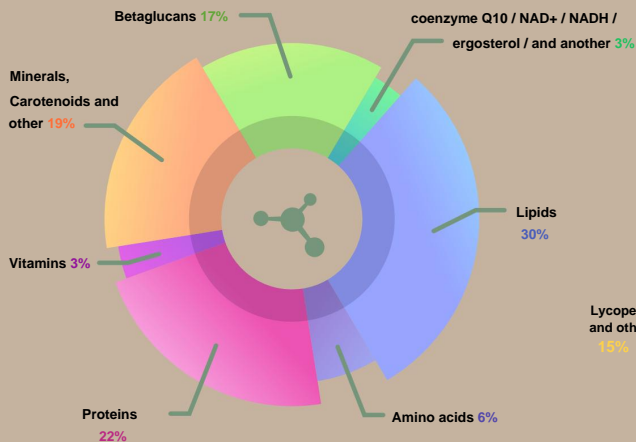
LiveLin (yeast biomass) containing "food" for the microbiome (beta-glucans, essential amino acids, yeast cell walls...) is a new generation prebiotic.



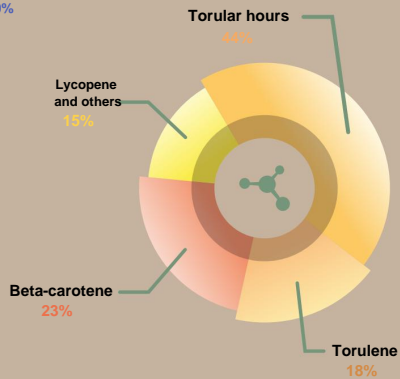
# Composition of LiveLin

A harmonious complex of valuable substances tuned by nature

Representation of individual components of LiveLin



A complex of carotenoids in the perfect ratio



LiveLin is created exclusively by natural processes and therefore the proportions of the individual components may change slightly.



# What is a vitamin?

Although the word vitamin is inflected in every manual on healthy nutrition, the definition of this term is surprisingly not completely clear. Let's try:

Vitamins are nutritional components that our body absolutely needs, but cannot synthesize them on its own. At the same time, however, it is necessary to add that vitamins are not proteins, fats, amino acids or minerals, but form the basis of important regulatory molecules in the body.

Vitamins affect the body's metabolism and defenses, and their deficiency can lead to a number of serious health problems.

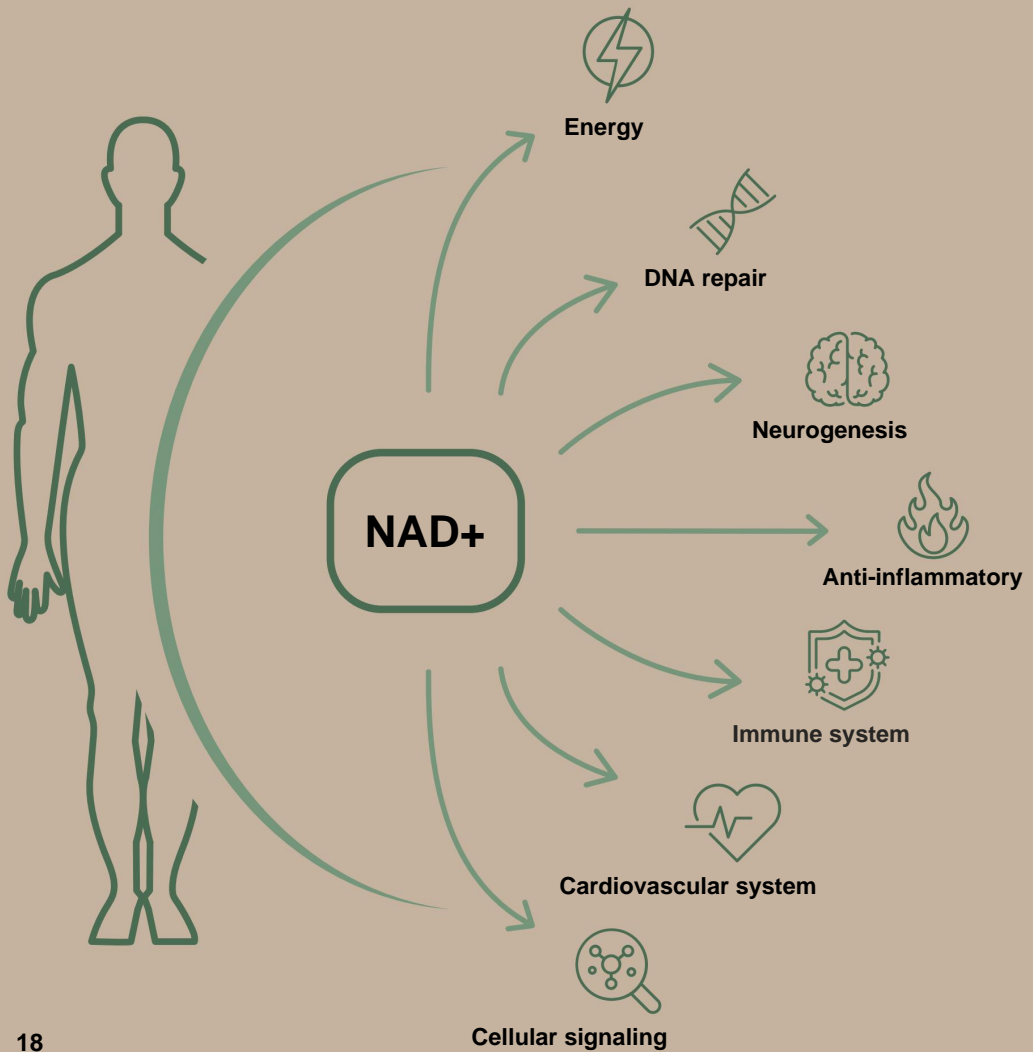
Therefore, it is important to ensure their sufficient, but natural supply.

The list of all the positive benefits of vitamins is long and well known. What is not at all easy to find out is which of all the important vitamins your body lacks.

One of the possible variants of how to safely supply the body with most of the necessary vitamins, without unnecessarily burdening our organism and our wallet, is to trust the abilities of mother nature and use a cocktail that she mixed herself. Only in this way can we be sure that the individual vitamins are represented in the right amount and in the right ratio.

Unlike randomly mixed multivitamin supplements, LiveLin contains only highly absorbable vitamins in natural form: C, B1, B2, B7, B9, E and provitamin D.

Details on the effect of individual vitamins can be found at [www.livelin.com](http://www.livelin.com).



# NAD+ anti aging

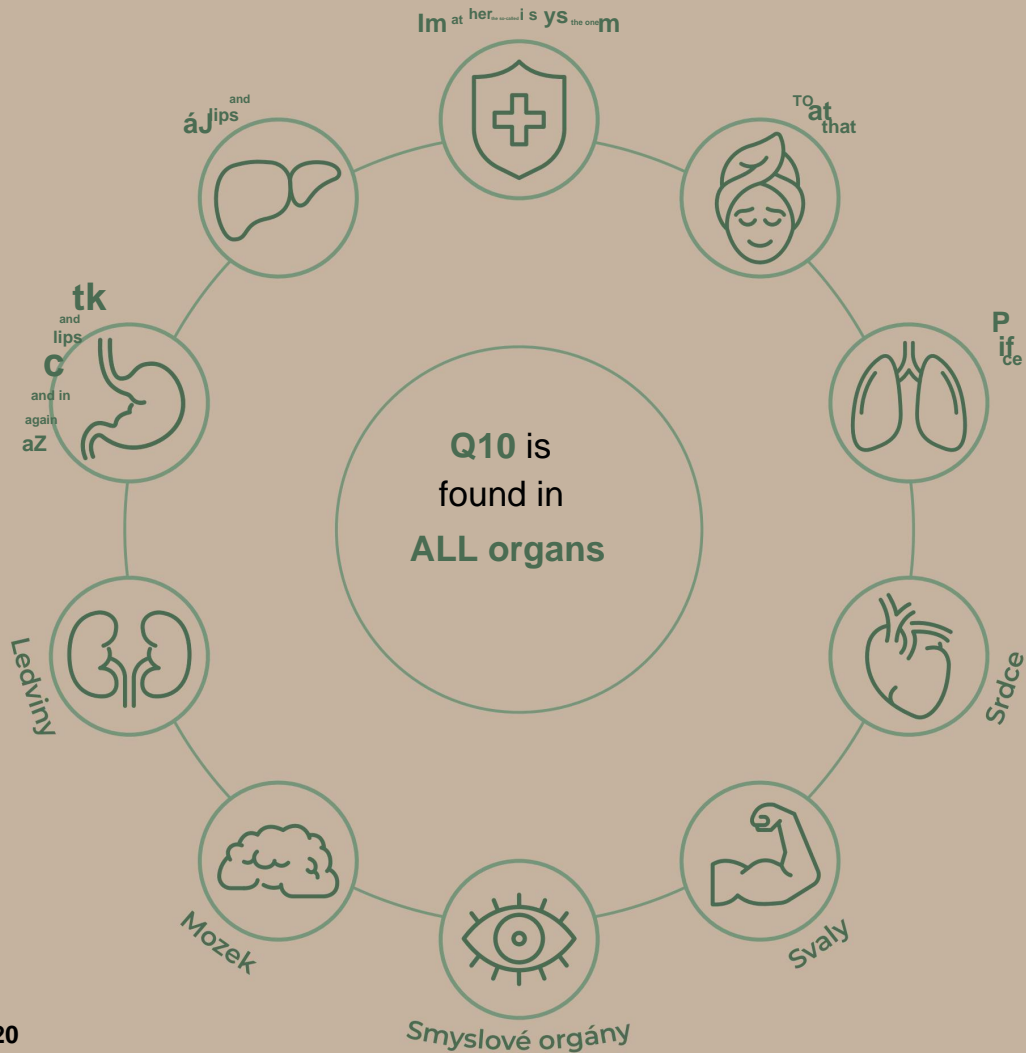
NAD, NADH and NMN are molecules that play a key role in cellular and energy metabolism in animals and are found in all living cells.

A basic feature of every animal cell is aging. We start the aging process with our birth. Due to the necessary metabolic reactions and cellular respiration, small errors occur that accumulate over time and lead to gradual cell degeneration.

However, the maintenance of biochemical reactions in the body is not the only reason for the gradual loss of energy and cellular aging. The losing ability of the organism to generate substances without which the cells cannot do also plays its role.

Overall, these molecules are key to maintaining energy balance and cell health. A decrease in the level of NAD+ in the body is associated with the aging process and some diseases. Therefore, NAD+ is at the center of research concerning aging and cell regeneration.

LiveLin contains an optimal amount of natural NAD+ and its precursor NMN for long-term use with a visible effect.



## Coenzyme Q10 - for energy

Coenzyme Q10 is responsible for the proper functioning of every cell. It participates in the process of cellular respiration and helps the organism to transform nutrients into energy. With advancing age or during heavy exertion, its deficiency occurs, which often leads to feelings of fatigue and other, often more serious problems.

Surprising facts about Q10's effect on the heart, research by Q-Symbio has shown. 420 patients from 9 countries, suffering from severe heart failure, took part in the test. The patients were divided into two groups, the first taking Q10 daily and the second receiving a placebo.

The first group showed 43% less mortality related to diseases of the circulatory system, in contrast to the second group.

Coenzyme Q10 reduces the occurrence of diseases caused by weak heart function by up to 50%. It protects the body against high blood pressure, ischemic heart disease and stroke. It also improves aerobic capacity and therefore effectively limits states of mental and physical exhaustion.

The coenzyme Q10 in LiveLin was created through a fermentation process.

With increasing age, its amount in the human body decreases, and LiveLin supplements it in an appropriate way.

## Mineral substances

Mineral substances are absolutely necessary for the healthy functioning of the organism. However, a large percentage of the population is struggling with their deficiency and must supplement them.

Food supplements with minerals and trace elements in the so-called chelate form. This form has the highest absorbability and bioavailability.

Chelate compounds are more soluble in all body fluids, which facilitates their transport and absorption in the body.

Yeast, like other living organisms, stores only the amount of minerals they can consume.

There is therefore no risk of overdose.

LiveLin (yeast biomass) contains chelated forms of Fe, Zn, Se, Cu, Ca, K, Mg and some other elements.

# Amino acids

Amino acids are the basic building blocks of all proteins.

Just as in a bird's egg, everything is arranged so that a living being can develop from the yolk and white, so in aerobic yeast all essential and non-essential amino acids and other substances necessary for life are present.

The body builds all hormones and enzymes from amino acids, such as insulin or thyroxine. Amino acids play a key role in the body's immune reactions, as antibodies that help fight infections are made from amino acids.

Essential amino acids are those that the body cannot make on its own and must obtain from food. These are:

Methionine, Valine, Lysine, Isoleucine, Phenylalanine, Leucine, Threonine, Histidine and Tryptophan.

The human body can create non-essential amino acids by itself, but not always in sufficient quantities. These are:

Arginine, Cysteine, Glutamine, Tyrosine, Glycine, Proline and Serine.

Produced by fermentation of noble yeast, LiveLin contains all essential and non-essential amino acids.

Discover the effects of our premium food supplement of the new generation.



# LiveLin

## LongLife

a harmonious complex  
of irreplaceable  
substances for  
permanent health and long life

- ✓ 1-2 capsules daily | 90 capsules | 90 day crust
- ✓ Alpha and beta-glucans – the strongest immunostimulants
- ✓ Carotenoids (torulene, torularhodin, lycopene) – effective antioxidants
- ✓ Coenzyme Q10 - for energy and vitality
- ✓ NAD+ / NADH – anti-aging
- ✓ Essential acids and Omega 3 - for healthy nerves and heart
- ✓ Vitamins B, D, C, minerals and trace elements – optimal metabolism



A special product not only for men



# LiveLin

## ProTestosterone

**Performance and male vitality**  
**NMN and testosterone**

- ✓ Freeze-dried extract from honey bee drone larvae - support of the male endocrine system (an important source of the hormones testosterone, progesterone and estradiol)
- ✓ Premium Czech honey from honey bees - production of serotonin and melatonin, hormonal balance
- ✓ Beta-glucan extract – the strongest immunostimulants
- ✓ Other active ingredients: Essential acids, carotenoids, coenzyme Q10, NAD<sup>+</sup>/NADH, B vitamins, minerals and trace elements



## About us

Algae Farm s.r.o., based in Pýřibram, specializes in the development of advanced production processes and products in the areas of food and feed, as well as pharmaceutical and cosmetic industries.

With the help of top technologies and in close cooperation with scientific institutions, we strive for innovative solutions.

The production of the key product and the development of new technological procedures take place at the Institute of Microbiology of the Academy of Sciences of the Czech Republic in Třebon.

Our LiveLin product is the result of many years of work by the University of Technology in Brno. Director of the Institute of Food Chemistry and Biotechnology, prof. RNDr. Ivana Márová CSc. and a big thank you to her team.

Algae Farm s.r.o. is a member of the Czech Microbiome Society ŷLS  
JEP

We pride ourselves on being able to innovate and deliver products that not only meet, but often exceed our clients' expectations.



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