

# Vertera Gel



## BASIC DETOX

Dietary therapeutic and preventive nutrition product for basic detoxification and maintenance of body homeostasis



# We are born to be healthy

When all systems work in unison, the body is able to cope with external and internal challenges, to restore balance, no matter what.

The mechanism of self-regulation of vital processes is called

**HOMEOSTASIS**



# Then why do we get sick?

Homeostasis provides the best quality of life when 2 conditions are met:

- 1** The body receives vital resources with food.
- 2** The body's self-cleaning system is not overly attacked.



Deficiency of substances the body needs and chronic intoxication are **the causes of most diseases.**

# The health formula came out of the sea

Researches of the nature of active longevity, scientists around the world noted: the basis of the diet of the main long-livers of the planet — seafood.

**Brown seaweed, the main raw material for the production of Vertera homeofoods\***, is of particular value among them.

Homeofood (from Latin “homeo” — “homeostasis” and English “food”) — food that restores the harmonious functioning of the main body systems.



# A wealth of healthy elements in LAMINARIA

Vitamins
B1 (thiamine)
B2 (riboflavin)
B5 (pantothenic acid)
B6 (pyridoxine)
B9 (folic acid)
B12 (cyanocobalamin)
C (ascorbic acid)
PP (nicotinic acid)
K (phylloquinone)
Biotin
Beta-carotene
Lutein + zeaxanthin
Choline

Amino acids	
<b>including irreplaceable:</b>	<b>including interchangeable:</b>
Threonine	Aspartic acid
Valine	Serine
Histidine	Glutamic acid
Methionine	Glycine
Isoleucine	Alanine
Leucine	Tyrosine
Tryptophan	Arginine
Phenylalanine	Proline
Lysine	Cysteine
+ Diiodothyronine, monoiodothyrosine, diiodothyrosine	

Fatty acids and their derivatives	
<b>Unsaturated:</b>	<b>Saturated:</b>
Alpha-Linoleic $\omega$ 3	Stearic
Styroride $\omega$ 3	Palmitic
Linolenic $\omega$ 3	Elaidine
Stearidonic $\omega$ 3	Myristic
Eicosapentaenoic $\omega$ 3	Pentadecyl
Myristooleic $\omega$ 5	Margarine
Gamma-Linoleic $\omega$ 6	Heicosan
Arachine $\omega$ 6	Cis-10-Pentadecene
Linoleic $\omega$ 6	
Arachidonic $\omega$ 6	
Palmitoleic $\omega$ 7	
Oleic $\omega$ 9	
Gadoleic $\omega$ 11	

Carbohydrates
<b>Polysaccharides:</b>
Laminarans
Fucoidans
<b>Including:</b>
Mannitol and D-Mannitol (mannitol)
<b>Mono- and disaccharides:</b>
Glucose
Fructose
Sucrose
Starch
Fiber
Pectin (alginates)
Mannose
Xylose
Alvulose
Uronic Acids
Rhamnose
Fucose

Macro and microelements	
Sodium	Iron
Magnesium	Iodine
Phosphorus	Manganese
Sulfur	Silicon
Chlorine	Boron
Potassium	Germanium
Calcium	Fluorine

Polyphenols	
<b>Phloroglucinol phlorotannins:</b>	
1,3,5-Trihydroxybenzene	Fucofloroethols
Fucols	Ecols
Phloroethols	Karmalols
Hydroxyfloroethols	

Alimentary fiber
<b>Seaweed fiber:</b>
Long-chain polysaccharides
Cellulose

Steroly
Fucosterol
Brassicasterol
Beta-sitosterol

Nitrogenous substances
Algal protein

Carotenoids	
Fucoxanthin	Xanthophylls
Carotenes	Violaxanthin

**And also**

ALGINIC ACIDS AND THEIR SALTS (ALGINATES) are polysaccharides from D-mannuronic and L-hyaluronic acids.  $\omega$  is the designation of a group of polyunsaturated fatty acids.

# A real treasure of the northern seas!

We extract seaweed in the Karelian White Sea region, where there is a **unique combination of natural factors**:

- cold clear waters of the White Sea;
- the near breath of the Arctic;
- a large number of daylight days.

White Sea brown seaweed is unusually resilient and hardy. They are **able to accumulate the most valuable bioactive substances** of the harsh northern seas.



# The classics of seaweed nutrition

**YEAR 2005**

**Development and release of the company's first product, Vertera Gel.**

Patented technology for obtaining valuable micronutrients from kelp hyaloplasma for:

- basic body detoxification;
- prevention of iodine deficiency;
- normalization of metabolic processes;
- organic nutrition at the cellular level.



# Transforming classics

**YEAR 2022**

## New generation biotechnology Plasma Technology

### Bottom line:

enzymatic depolymerization of seaweed polysaccharides (alginates, fucoidan, laminaran), which are not digested by the human body.

### The result is:

mono- and oligosaccharides in high purity plasma hydrogel with different structure, degree of polymerization, and molecular weight were derived.



### Benefit:

bioavailability for the body of the whole complex of valuable substances of hyaloplasma and structural polysaccharides of laminaria.

**THE DIGESTIBILITY AND EFFECTIVENESS OF THE PRODUCT HAS INCREASED IMMENSELY!**

# Vertera Gel Lyophilizate

A new form of the product for maximum benefit and convenience of ingestion!



All the useful properties of the gel form are preserved



Easy to take, convenient to carry



Low-temperature vacuum drying



Eco-friendly product



Microencapsulation technology



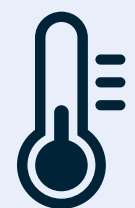
# Vertera Gel Lyophilizate

The product of the synergy of 3 biotechnologies!



## Plasma Technology

fermentation of seaweed polysaccharides to produce an easily digestible and nutrient-rich gel.



## Lyophilization

Low-temperature vacuum drying of the gel to preserve the biological activity of the ingredients.



**microcapsule**  
(5-18  $\mu\text{m}$ )



## Microencapsulation

Encapsulating plasma microparticles in a thin shell to protect them from gastric juice and maximize their absorption in the intestine.

# Gel or lyophilizate?

Any choice is the right one —  
the benefits stay with you  
forever!



1-2  
TABLESPOONS

x2

BID



YOU CAN PUT IT  
IN ASMOOTHIE



ON A MONTHLY  
BASIS



TWO CAPSULES  
EACH

x2

BID



TAKE  
WATER



ON A MONTHLY  
BASIS

The background is a deep blue gradient. In the center, there is a bright, glowing white and yellow light source. From this source, several thin, bright blue lines radiate outwards. Surrounding the central light are numerous translucent, blue, spherical particles of varying sizes, some appearing to be in motion or orbiting. The overall effect is one of dynamic energy and scientific or technological advancement.

**What exactly are  
the health benefits?**

VERTERA GEL

# Detox effect

- ✓ purifying from endotoxins of viruses, bacteria, protozoa, fungi;
- ✓ washing out toxins, radionuclides, pesticides, and heavy metals from the body;
- ✓ neutralizing free radicals that cause inflammation and cancer.



VERTERA GEL

# Protection of the heart and blood vessels

- ✓ strengthening the endothelium, restoring vascular tone;
- ✓ cleansing blood vessels from atherosclerotic (cholesterol) plaques;
- ✓ normalization of blood pressure;
- ✓ cardioprotective effect.



VERTERA GEL

# Restoration of endocrine system functions

- ✓ providing the thyroid gland with a key resource for work — iodine in a safe organic form;
- ✓ normalization of the hormonal background of the body;
- ✓ reducing blood sugar, preventing diabetes.



VERTERA GEL

# Helping digestion

- ✓ improves intestinal peristalsis;
- ✓ restores the filtering function of the liver;
- ✓ provides a mild laxative effect, prevents constipation;
- ✓ acts as a sorbent and prebiotic, binding toxins and improving intestinal microflora.



VERTERA GEL

# Rejuvenation and a slim figure

- ✓ metabolic acceleration;
- ✓ hypolipidemic action (reduction of fat levels);
- ✓ dulling of unhealthy appetite, prevention of overeating;
- ✓ improvement of skin condition by solving intestinal problems.



The background is a deep blue gradient. In the center, there is a bright, glowing white and yellow light source. From this source, several thin, bright blue lines radiate outwards. Scattered around the central light are numerous translucent blue spheres of varying sizes, some appearing to be in motion or orbiting. The overall effect is one of dynamic energy and scientific precision.

**Benefits for the body  
are clinically proven**

# In case of hypertension

“Hypertension Complex therapy in combination with the algae ‘VERTERA®’ has a stable antihypertensive effect in patients who have mild arterial hypertension”.

Tver cardiology health center  
Medical director I.A. Elhardt



# For complex therapy

“The applied therapeutic and dietary product has an evident vascular, metabolic, lipid-lowering and immunocorrective effect on the body and can be used in the comprehensive treatment of patients who have cerebral disorders. Besides, its balanced complex of biologically active substances (iodine, B, A, C, D, vitamins, microelements, polysaccharides and their sulfates, unsaturated fatty acids) prescribes the need to use this product in patients who have chronic brain ischaemia, especially in women at menopausal age. In addition to cerebral disorders, these women have a so-called postmenopausal syndrome, which requires both metabolic and immunological correction”.

**Tver Regional Clinical Hospital**  
**Chief Physician O.G. Parfenov**

# To strengthen blood vessels


“The prescription of the algae product ‘VERTERA®’ increases initially reduced tone in patients who have confirmed atherosclerotic changes in blood vessels. We can recommend the use of the ‘VERTERA®’ laminaria gel as an additional non-drug component in the conventional treatment for patients with cerebrovascular disease when having dyscirculatory encephalopathy or arterial hypertension”.

**Holder of Habilitation degree in medicine assistant professor  
department of internal medicine of the faculty of additional  
professional education of Tver medical academy A.P. Ivanov**

# In case of atherosclerosis

"Regular use of the 'Vertera®' product for 3 months leads to a decrease in total cholesterol, low-density lipoprotein cholesterol and triglycerides in patients who have confirmed atherosclerotic vascular changes and abnormalities in the peripheral blood lipids. Taking the above into account, we can recommend the use of the laminaria gel 'Vertera®' as a non-drug component in the conventional treatment for patients who suffer from chronic CAD with attacks of stable angina when there are atherosclerotic vessels".

**Holder of Habilitation degree in medicine assistant professor  
department of internal medicine of the faculty of additional  
professional education of Tver medical academy A.P. Ivanov**



# World quality standards

It is certified in Russia, CIS, European Union, and Turkey



# World quality standards

Certification according to the international standard GOST ISO 22000: 2005 guarantees the safety and quality of food products




## СЕРТИФИКАТ

настоящим удостоверяет, что предприятие

**Общество с ограниченной ответственностью  
Научное Производственное Объединение  
«Биомедицинские Инновационные Технологии»**

улица Школьная, дом 30А  
село Медное, Калининский район  
170521, Тверская область  
Российская Федерация

внедрило и использует  
**Систему менеджмента безопасности пищевых продуктов.**

Область деятельности:  
Производство пищевых продуктов на основе и с добавлением бурых морских водорослей: гелеобразных, специализированных, в том числе для диетического лечебного и профилактического питания, желе различных вкусов, биологически активных добавок, напитков безалкогольных негазированных пастеризованных, пюре фруктовых

Категория: CIV

Посредством аудиторской проверки, задокументированной в отчете, было получено подтверждение о том, что эта система менеджмента отвечает требованиям следующего стандарта:

### ISO 22000 : 2018

Регистрационный номер сертификата	31102468 FSMS2018	 
Действителен с	2021-10-13	
Действителен по	2024-10-12	
Дата сертификации	2021-10-13	

**DQS CFS GmbH**  
German Association for Sustainability

*Guido Eggers*

Guido Eggers  
Генеральный директор

Accredited Body: DQS CFS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany



# Vertera Gel



Basic detox and key  
resources for a full life

