

# COSMETICS

-  
2022

 ALGANEX

# COSMETICS

Due to their versatile ingredients and their effect as antioxidants, algae offer an interesting ingredient for the production of conventional cosmetics and natural cosmetics.

The protective and nurturing effect of algae makes them the ideal ingredient for creams, especially in the anti-aging and skin protection segment.

▣ Find the right algae for your application.







*Characteristics of algae products  
for cosmetic applications*

	Macro- Microalgae	Form	Moisturizer	Anti-Aging Wrinkles	Skin Protection Antioxidant	Sunscreen	Nourishment Remineralisation	Anti-Inflammatory	Antibacterial	Skin Healing Repair
Alaria esculenta (Atlantic Wakame)	MA	Liquid	✓	✓	✓	✗	✓	✗	✗	✗
Asparagopsis armata	MA	Liquid	✓	✗	✓	✗	✓	✓	✗	✗
Astaxanthin (Haematococcus)	MI	Liquid	✗	✓	✓	✗	✓	✓	✗	✗
Chlorella vulgaris	MI	Liquid	✗	✓	✓	✗	✓	✓	✗	✓
Chondrus crispus	MA	Liquid	✓	✓	✓	✗	✓	✓	✗	✗
Codium tomentosum	MA	Liquid	✓	✓	✓	✗	✓	✗	✗	✗
Cystoseira abies-marina	MA	Liquid	✗	✗	✓	✗	✗	✗	✓	✗
Cystoseira humilis	MA	Liquid	✓	✓	✓	✗	✗	✓	✗	✓
Dunaliella salina	MI	Liquid	✓	✓	✓	✗	✓	✓	✗	✓
Fucus serratus	MA	Liquid	✓	✓	✓	✗	✓	✓	✗	✗
Fucus vesiculosus	MA	Liquid	✓	✓	✓	✗	✓	✓	✗	✗
Gelidium sp.	MA	Powder	✗	✗	✓	✗	✓	✓	✗	✓
Gracilaria sp.	MA	Liquid	✗	✓	✓	✗	✓	✗	✗	✗
Halopteris scoparia	MA	Liquid	✗	✗	✓	✗	✓	✗	✓	✗
Isochrysis galbana	MI	Liquid	✗	✗	✗	✗	✗	✗	✓	✗
Laminaria digitata (Kombu)	MA	Liquid	✓	✓	✓	✗	✓	✗	✗	✗
Laminaria japonica	MA	Liquid	✓	✓	✓	✗	✓	✗	✗	✗
Mastocarpus stellatus	MA	Liquid	✗	✓	✓	✗	✓	✗	✗	✗
Odontella aurita	MI	Powder	✗	✓	✗	✗	✓	✗	✗	✗
Palmaria palmata (Dulse)	MA	Liquid	✓	✓	✓	✗	✓	✗	✗	✓
Phaeodactylum tricornutum	MI	Liquid	✓	✓	✓	✗	✓	✓	✓	✗
Phycocyanin (Spirulina)	MI	Liquid	✓	✓	✓	✗	✓	✓	✓	✓
Porphyra umbilicalis (Nori)	MA	Liquid	✓	✓	✓	✓	✓	✗	✗	✗
Porphyridium purpureum	MI	Liquid	✓	✓	✓	✗	✗	✓	✗	✗
Pterocladiaella capillacea	MA	Liquid	✗	✓	✓	✗	✗	✗	✓	✗
Saccharina latissima	MA	Liquid	✓	✓	✓	✓	✓	✓	✗	✗
Schizochytrium sp.	MI	Powder	✓	✓	✓	✗	✗	✓	✗	✓
Seawater Extract	-	Liquid	✗	✓	✗	✗	✓	✓	✗	✗
Spirulina platensis	MI	Powder	✗	✗	✓	✗	✗	✓	✓	✓
Spirulina platensis	MI	Liquid	✓	✗	✓	✗	✗	✓	✓	✓
Tetraselmis suecica	MI	Liquid	✗	✓	✓	✗	✗	✗	✗	✗
Ulva intestinalis	MA	Liquid	✓	✓	✓	✗	✓	✓	✓	✗
Ulva lactuca	MA	Liquid	✓	✓	✓	✗	✓	✓	✓	✗
Ulva rigida	MA	Liquid	✓	✓	✓	✗	✓	✓	✓	✗
Ulva sp.	MA	Liquid	✓	✓	✓	✗	✓	✓	✓	✗
Undaria pinnatifida (wakame)	MA	Liquid	✓	✓	✓	✗	✓	✓	✓	✓
Zonaria tournefortii	MA	Liquid	✓	✓	✓	✗	✗	✗	✓	✗





powder

## ALARIA ESCULENTA (ATLANTIC WAKAME)



- Calcium
- Vitamin A
- Vitamin B2, B6, B12
- Vitamin C
- Iodine

Delivery time  
On request



### Typical applications in the cosmetics industry

Alaria esculenta is a powerful antioxidant that can be used in cosmetics to protect the skin from oxidative stress. In doing so, it provides anti-aging benefits, which are based on its rich content of amino acids, antioxidants, vitamins and minerals.

Alaria esculenta helps maintain skin suppleness and elasticity by reducing the activity of collagenase and elastase. These enzymes and processes contribute to the degradation of collagen and elastase, which in turn negatively affects the appearance of the skin. Alaria esculenta prevents this with its functional ingredients.

It stimulates the synthesis of hyaluronic acid and supports the skin barrier function. As a result, it can help to improve the moisture content of the skin.



Whole

## ASPARAGOPSIS ARMATA



- Antioxidants
- Antifungal
- Antimicrobial
- Antiviral

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Asparagopsis armata harbors antioxidant and anti-inflammatory mechanisms that can be used as natural protective agents for the skin in cosmetics.

In this regard, Asparagopsis armata can be incorporated into creams and lotions in the form of conditioners or moisturizers to soothe and revitalize the skin through the micronutrient profile.



Powder

## CHLORELLA VULGARIS



- organic
- from controlled cultivation in closed systems

Delivery time  
3-7 weeks



### Typical applications in the cosmetics industry

Chlorella vulgaris offers soothing and moisturizing properties for the skin. These, in turn, can help the complexion appear younger. Thus, it can be used in anti-aging cosmetics.

Like many other algae, Chlorella vulgaris is known for its role as an antioxidant, which helps protect the skin from oxidative stress.

Apart from the protective factor of Chlorella vulgaris, it can also actively help to support and promote the healing and repair process of the skin.



Liquid

## CHONDRUS CRISPUS



- Trace elements
- Vitamin A, E, F and K
- Calcium
- Potassium
- Iodine

Delivery time  
On request



### Typical applications in the cosmetics industry

Chondrus crispus offers itself as an antioxidant and also acts as an anti-inflammatory protective agent.

The versatile nutrient profile of minerals, amino acids and vitamins is absorbed and accumulated by the skin during application. All the ingredients have a positive effect on the appearance of the skin.

Due to its occlusive properties of natural polysaccharides, peptides, amino acids and carrageenan, which help the skin retain its moisture content, it is well suited for use in moisturizers and lotions.





Powder

## CHONDRUS CRISPUS



- Trace elements
- Vitamin A, E, F and K
- Calcium
- Potassium
- Iodine

Delivery time  
On request



### Typical applications in the cosmetics industry

Chondrus crispus powder can be used as an antioxidant and also has anti-inflammatory properties.

The versatile nutrient profile of Chondrus crispus powder contains amino acids, minerals and vitamins. They can be absorbed and accumulated by the skin when blended in cosmetics products. These ingredients can have a positive effect on skin as a whole.

The natural polysaccharides and the occlusive properties, as well as the peptides and amino acids help the skin retain its moisture. Therefore it is well suited for use in lotions and moisturizers.



powder

## CODIUM TOMENTOSUM



- Sulfated polysaccharides
- Glucuronic acid
- Sugars
- Minerals
- Proteins
- Beta-hydroxyacid (BHA)

Delivery time  
On request



### Typical applications in the cosmetics industry

Codium tomentosum acts as an antioxidant and protects against external influences. It can thus protect against premature aging of the skin.

Codium tomentosum is rich in vitamins and minerals, which has a positive effect on the appearance of the skin. The ingredients penetrate deep into the skin and provide it with important substances.

The polysaccharides and lipids in Codium tomentosum help the skin retain moisture better and protect it from environmental influences. Thus, it has potential to be used in anti-aging products.





Whole

## CYSTOSEIRA ABIES-MARINA



- UV Resistant
- Antimicrobial
- Antioxidants

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Cystoseira abies-marina has antimicrobial properties and can be used as a supplement in cosmetic products.

It also acts as an antioxidant and protects the skin from free radicals, respectively, from external influences.



Whole

## CYSTOSEIRA HUMILIS



- Fatty Acids
- Antioxidants
- Antimicrobial

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Cystoseira humilis can be used as an antioxidant in cosmetics and protects the skin from environmental influences. It also has an anti-inflammatory effect and can promote the recovery process of the skin.

Cystoseira humilis is rich in bioactive substances, which have a moisturizing effect on the skin. The macroalgae provides anti-aging properties, as it increases the firmness of the skin due to the deeper hydration.



Powder

## DUNALIELLA SALINA



- beta-Carotene 2%, 2-3% or 4-6%.

Delivery time  
3-5 weeks



### Typical applications in the cosmetics industry

Dunaliella salina acts as a powerful antioxidant and preserves the skin from oxidative stress and can help heal damage better. In addition, the algae has an anti-inflammatory effect.

Due to its rich content of minerals and vitamins, Dunaliella salina can help improve the appearance of the skin. These substances penetrate deep into the skin, leaving it refreshed and relaxed.

The fatty acids, proteins and vitamins help to form a protective film on the skin. This acts supportively for the skin to retain moisture better. In addition, the very high content of beta-carotene, which can be used preventively against skin aging.



powder

## FUCUS SERRATUS POWDER



- Cosmetics
- Fertilizer

Delivery time  
On Request



### Typical applications in the cosmetics industry

Fucus serratus has similar properties, which are beneficial for the creation of cosmetics, as other species of the genus Fucus.

Due to its nutrient profile, it has a positive effect on the appearance of the skin and can be well used in moisturizers and anti-aging products.





Liquid

## FUCUS VESICULOSUS



- Mannitol
- Fucitol
- beta-Carotene
- Zeaxanthin
- Iodine
- Potassium
- Minerals

Delivery time  
On request



### Typical applications in the cosmetics industry

Fucus vesiculosus contains alginic acid, which can help soothe irritated skin as it has anti-inflammatory properties. It can be used in moisturizers and make the skin look more relaxed and younger.

By improving elasticity and refreshing the skin's appearance, Fucus vesiculosus works well as an ingredient in anti-aging cosmetics.

Like many other macroalgae, Fucus vesiculosus acts as an antioxidant and helps protect the skin from free radicals and oxidative stress.



Powder

## GELIDIUM SP.



- Protein
- Minerals
- Enzymes

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Gelidium sp. is used for the production of polysaccharides phycocolloids. These can be used as natural thickeners.

In addition, Gelidium sp. also has soothing and healing properties when applied to the skin, due to its profile of ingredients. As an antioxidant, it protects the skin from oxidative stress.





powder

## GRACILARIA SP.



- Minerals
- Amino acids
- Fatty acids
- Sterols
- Oxylipins

Delivery time  
On request



### Typical applications in the cosmetics industry

Gracilaria sp. powder contains a wide range of minerals, amino acids and vitamins. These are absorbed when mixed in cosmetic products and applied to the skin and can have a positive effect on the appearance of the skin. Thus, Gracilaria sp. powder has a nourishing and nurturing effect on the skin.

This nourishing and replenishing effect can smooth, tighten and renew the skin. This makes Gracilaria sp. well suited for anti-aging cosmetics.



Liquid

## GRACILARIA SP.



- Gelling and thickening agent for cosmetic products
- Moisturizer

Delivery time  
On Demand



### Typical applications in the cosmetics industry

The nutrient profile of vitamins, amino acids and minerals found in Gracilaria sp. is absorbed when applied to the skin and has a positive effect on the skin's appearance, as it has a nourishing and nurturing effect.

Due to the achieved smoothing, tightening and renewal of the skin, the macroalgae Gracilaria sp. is suitable for anti-aging cosmetics.



Oleoresin

## HAEMATOCOCCUS PLUVIALIS (ASTAXANTHIN)



- Organic
- Astaxanthin 10 %

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Astaxanthin Oleoresin is exactly the same as powder in its benefits, but it has the advantage of being easier to incorporate into lotions, serums and other liquid cosmetics than powder.

Astaxanthin's benefits include its role as the most potent antioxidant and its protective properties against free radicals and associated oxidative stress.

In addition to its properties as an antioxidant, there are also its anti-inflammatory effects and its potential to be used in anti-aging cosmetics, as it has a firming effect on the skin's appearance.



Powder

## HAEMATOCOCCUS PLUVIALIS (ASTAXANTHIN)



- Astaxanthin 2-5%

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Astaxanthin is considered the most powerful antioxidant and is excellent at helping to reduce oxidative stress. Astaxanthin thus helps to support and better maintain the skin.

In addition, astaxanthin has anti-inflammatory properties and contributes to a better skin appearance. Since astaxanthin can also contribute to firmer skin, it is well suited for anti-aging cosmetics.

The powder can be used in creams and peelings, but it is not limited to these examples of use.





Whole

## HALOPTERIS SCOPARIA



- Antioxidant
- Antifungal
- Antimicrobial
- Antimitotic

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Halopteris scoparia has antibacterial properties. The extract of Halopteris scoparia shows good activity against *Propionibacterium acnes*, *Staphylococcus aureus*, *Bacillus subtilis* and *Escherichia coli* and thus has the potential to be used as a supporting ingredient for preservation in cosmetics.

Halopteris scoparia can help keep skin in good condition through its versatile profile of nutrients and active ingredients.



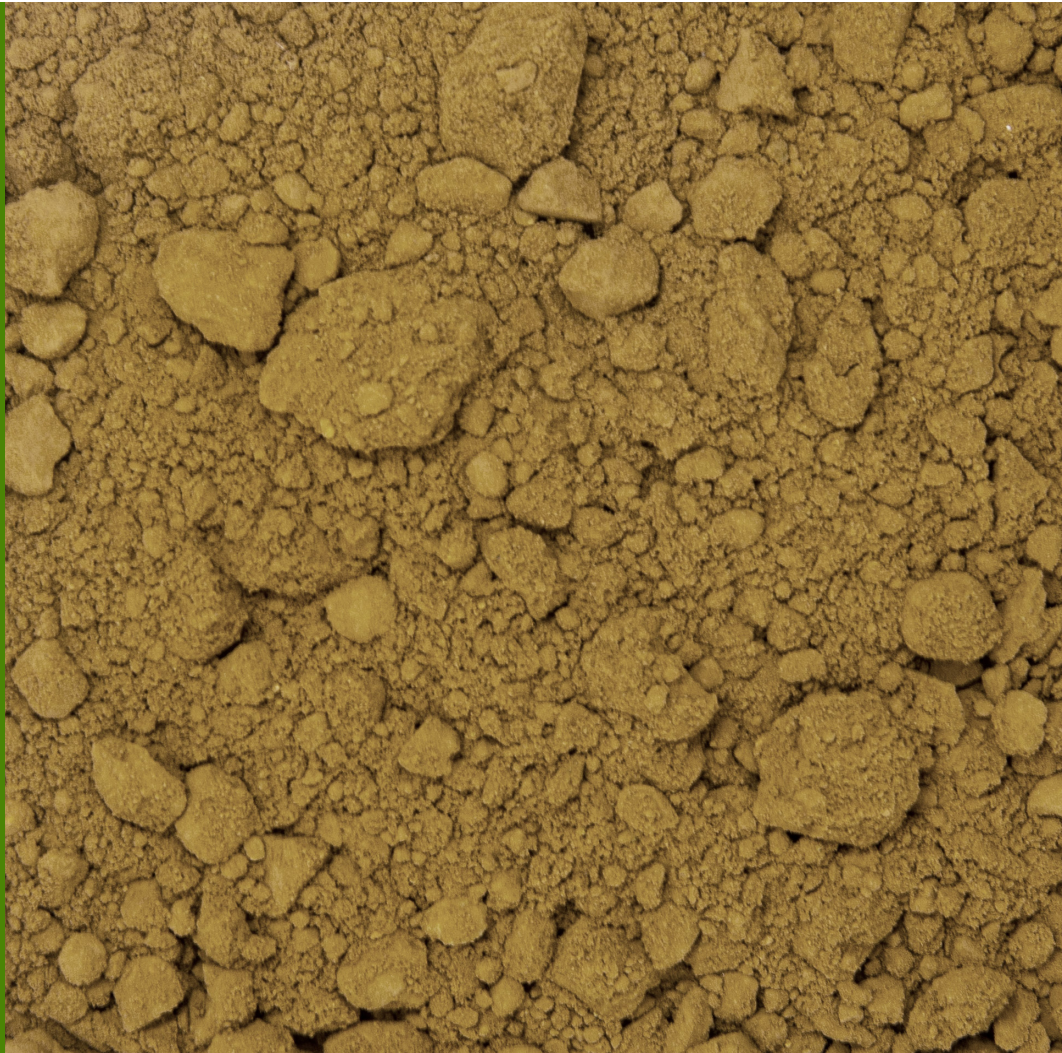
powder

## ISOCHRYISIS GALBANA



- beta-Carotene
- Zeaxanthin
- Fucoxanthin
- Cantaxanthin
- DHA
- ALA

Delivery time  
On request



### Typical applications in the cosmetics industry

Isochrysis galbana shows the potential in care products, which are used for the treatment and care of hair.

In addition, Isochrysis galbana extract has antibacterial activity. Especially against *Cutibacterium acnes* and *Staphylococcus epidermidis* it shows effect and can be used to keep the skin microbiome in balance and in use as a preservative in formulations.





Liquid

## LAMINARIA DIGITATA (KOMBU)



- Minerals
- Vitamins A, D, E and K
- Omega-3 fatty acids
- Carbohydrates
- Iodine
- Potassium
- Calcium

Delivery time  
On request



### Typical applications in the cosmetics industry

Laminaria digitata has good moisturizing and remineralizing properties, which are based on the broad nutrient profile. Among them, for example, alginates, mannitol and amino acids.

This nutrient profile helps to support the skin in its natural protection. Laminaria digitata acts as an antioxidant and reduces the effects of oxidative stress on the skin.

In addition, Laminaria digitata can be used in anti-aging cosmetics as it tightens the skin and reduces wrinkles. The macroalga revitalizes the skin by covering and replenishing the natural needs of minerals, vitamins, proteins and carbohydrates.

This has a positive effect on the appearance of the skin and has a supporting effect in keeping the skin young for as long as possible.



Powder

## LAMINARIA JAPONICA



- Magnesium
- Iodine
- Iron
- Zinc
- Amino acids
- Vitamins A, B9, C, D, E

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Laminaria japonica can be used as a skin protectant. It helps to avoid the harmful effects of external factors on the skin. Laminaria japonica has antioxidant properties and can limit the influence of free radicals.

Laminaria japonica also has the potential to be used in anti-aging cosmetics as it has a tightening effect on the skin and reduces wrinkles. In addition, it has anti-inflammatory properties that can improve the appearance of the skin.

With regular use, Laminaria japonica can better retain moisture in the skin, making it a useful ingredient in moisturizers.



Powder

## MASTOCARPUS STELLATUS



- Vitamin A
- Sugar
- Minerals
- Antioxidants

Delivery time  
On request



### Typical applications in the cosmetics industry

Mastocarpus stellatus has antioxidant properties and thus protects the skin from external influences as well as oxidative stress.

Mastocarpus stellatus can help improve the texture of the skin and thus better maintain the overall appearance of the skin.



Powder

## SEAWATER EXTRACT



- Magnesium
- Chloride
- Sulfate
- Sodium
- Calcium
- Potassium

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Sea water extract provides fresh and radiant skin. By activating the cellular functions, the water supply of the skin is strengthened. Thus, the skin is soothed and remineralized after using the sea water extract.

Seawater extract can contribute to a healthy skin appearance and is therefore ideal for different sensitive and irritated skin types. Sea water extract is also well suited for face and body care due to its ingredients.





Powder

## ODONTELLA AURITA

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- Protein
- EPA Omega-3 Fatty Acid
- Fucoxanthin

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Delivery time  
On Demand



### Typical applications in the cosmetics industry

Odontella aurita is rich in EPA (eicosapentaenoic acid) and other bioactive molecules such as pigments. The diatom reduces the formation of fat cells and blocks lipogenesis (serves to store unused food energy), so can have a special effect on cellulite and prevent skin aging.



Liquid

## PALMARIA PALMATA (DULSE)



- Traditional food ingredients
- Trace elements: Iron, Potassium, Magnesium
- Proteins and Vitamin B

Delivery time  
On request



### Typical applications in the cosmetics industry

The rich ingredients of *Palmaria palmata*, such as calcium, iron, amino acids, pantothenic acid (vitamin B5), magnesium, various ingredients with antibacterial effect and the high content of folate can promote cell growth, and thus improve the skin appearance.

As a result, the red alga *Palmaria palmata* is increasingly used in moisturizing creams, bath salts, eye gels, skin cleansers and massage oils. In addition, it is used in shampoos, hand creams, conditioners, soaps, shaving and cleansing creams.

Another positive side effect is that the blood circulation and cell renewal are stimulated by the red algae and protects the skin from external influences.





Powder

## PALMARIA PALMATA (DULSE)



- Traditional food ingredients
- Trace elements: Iron, Potassium, Magnesium
- Proteins and Vitamin B

Delivery time  
On request



### Typical applications in the cosmetics industry

Palmaria palmata powder has a wide profile of ingredients, including amino acids, iron, calcium, magnesium, vitamins and ingredients with antibacterial effect. Due to this diversity, Palmaria palmata powder can be well blended into cosmetics to nourish the skin and improve skin texture.

Palmaria palmata powder is increasingly used as part of moisturizers, cleansers and massage oils. In addition, it is used in hand creams, conditioners, soaps, and cleansing creams.



powder

# PHAEODACTYLUM TRICORNUTUM



- Protein
- Zeaxanthin
- Fucoxanthin
- DHA
- EPA
- DPA

Delivery time  
On request



## Typical applications in the cosmetics industry

Phaeodactylum tricornutum makes the skin smooth and supple and can relieve discomfort (e.g. itching) of the skin and scalp. The microalga binds moisture in the use of cosmetic products, which is why it is often used as a humectant in facial toners and scrubs.

Phaeodactylum tricornutum microalgae can have a calming effect by rebalancing the microbiome of sensitive skin and controlling the overall inflammatory process.

Phaeodactylum tricornutum can be used as a preventive care against environmental skin aging, so it is ideal for use in anti-aging cosmetics.





Liquid

## PORPHYRA UMBILICALIS (NORI)



- Vitamin B-12
- Traditional ingredient for food
- Skin protecting and uv-actice ingredients for natural cosmetics

Delivery time  
On request



### Typical applications in the cosmetics industry

Porphyra umbilicalis contains high amounts of functional ingredients, including many amino acids. Due to this, the red alga can protect against light-induced skin aging and be used as a natural supplement for UV ray protection in sun creams and skin care.

As a result of its high vitamin B12 content, antioxidants and amino acids, it is ideal for natural cosmetics.



Powder

## PORPHYRIDIDIUM PURPUREUM (FORMERLY KNOWN AS P. CRUENTUM)



- Polysaccharides
- Pigments 8 % - 17 %
- Zeaxanthin
- Phycoerythrin
- ALA
- EPA

Delivery time  
5-8 weeks



### Typical applications in the cosmetics industry

Porphyridium purpureum (formerly *P. cruentum*) is a microalga that has strong antioxidant properties due to its sulfated polysaccharides.

This role as an antioxidant helps neutralize free radicals, thus slowing down the aging process throughout the body and preventing cellular damage. This makes Porphyridium purpureum microalgae particularly suitable as an anti-aging component in cosmetics and benefits the skin.

The pigments and polysaccharides it contains promote a healthy skin structure and also have a brightening and protective effect.





Whole

## PTEROCLADIELLA CAPILLACEA



- Antioxidant
- Antifungal
- Antimicrobial
- Antimitotic

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Pterocladia capillacea can be a special and valuable ingredient for cosmetic compositions of creams, lotions, powder bases, emulsion bases, soaps, pastes, cleansers, oils and sprays.

The extract of red algae shows an effect for the promotion of hair growth, skin whitening, anti-wrinkle and antioxidant processes.

The macroalga Pterocladia capillacea has antioxidant and bacterial agglutination (fusion) properties.



Powder

## SACCHARINA LATISSIMA



- Iodine
- Iron
- Calcium
- Magnesium
- Zinc
- Vitamins A, B-12, B-6, and C.
- Polysaccharides
- Sterols (fucosterol)
- Fucoxanthin
- beta-Carotene

Delivery time  
On request



### Typical applications in the cosmetics industry

The brown alga *Saccharina latissima* or "*Laminaria saccharina*" can play a significant role in cosmetics due to its anti-irritant properties and antioxidant capabilities. It can help protect the skin from external aggressions and reduce inflammation, as in acne-prone skin.

Called sugar kelp, it is used as a possible UV protectant and for skin problems such as loss of elasticity and firmness. It can also help hydrate the skin in moisturizers.

On the skin's surface, *Saccharina latissima* extract can reduce oil secretion, which can contribute to less oily skin.



Oleoresin

## SCHIZOCHYTRIUM SP. DHA OMEGA-3 FATTY ACID



- DHA 400 mg
- DHA 550 mg

Delivery time  
5-8 weeks



### Typical applications in the cosmetics industry

The microalgae Schizochytrium sp. is rich in the omega-3 fatty acids DHA and EPA and is often used industrially in the form of oil. The DHA of the microalgae Schizochytrium sp. is a key component in cosmetic products, and on the other hand is valued for its anti-inflammatory effect.

In addition, Schizochytrium sp. is becoming increasingly important in personal care and cosmetics, as it shows potential benefits when applied directly to the skin. Among them, for example, deep hydration, anti-aging properties, unclogging of pores and improvement of discoloration.



Powder

## SPIRULINA BLUE (PHYCOCYANIN)



- Phycocyanin > 11,5 %
- E10
- E18
- E40

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Phycocyanin powder is often used in cosmetics as a coloring and functional component. It not only promotes a healthy skin appearance, but also has anti-inflammatory properties. In addition, the substance contained in Spirulina determines a long-lasting green-blue coloration in cosmetic formulas such as peelings.

Phycocyanin has strong antioxidant properties. It also contributes to wound healing and tissue regeneration. The antimicrobial and anti-inflammatory effects of phycocyanin powder support the healing process of skin problems such as acne.

Phycocyanin powder is already used in many cosmetic products, such as anti-aging cosmetics, where it remineralizes, revitalizes and moisturizes the skin.



Liquid

## SPIRULINA BLUE (PHYCOCYANIN)



- Phycocyanin 1g/1000mL
- Tincture

Delivery time  
On Request



### Typical applications in the cosmetics industry

The liquid form of phycocyanin is marketed as the original product of unparalleled purity. Phycocyanin is the famous blue pigment of Spirulina algae. The natural, water-soluble antioxidant has an intense blue color, which is popularly used in cosmetics as a coloring and functional component. Thus, the substance contained in spirulina determines a long-lasting green-blue coloration in cosmetic formulas such as lotions.

Due to its antioxidant potential, it is an effective radical fighter.

In addition, various studies show that phycocyanin has anti-inflammatory properties and promotes healthy skin appearance.

It also contributes to wound healing and tissue regeneration. The antimicrobial and anti-inflammatory effect of phycocyanin liquid form supports the healing process in acute skin problems.



Powder

# SPIRULINA PLATENSIS



- organic
- Phycocyanin 11 - 15 %

Delivery time  
3-7 weeks



## Typical applications in the cosmetics industry

Spirulina platensis has strong antioxidant properties and can therefore be used well for cosmetic applications. In addition, it promotes wound healing, making it particularly suitable for wound dressings, sunburns and anti-photoaging.

Spirulina platensis can reduce itching and dryness of the skin, moderates irritation, stimulates metabolism from a cellular level and inhibits the formation of acne with fewer side effects and without antibiotic resistance.

The phycocyanin and enzymes contained in Spirulina platensis provide the ability of the microalga to collect free radicals. Due to this, Spirulina microalgae is a promising natural raw material in the cosmetics industry, especially since it provides valuable effects such as antioxidant as well as antimicrobial activities.



liquid

## SPIRULINA WATER GLYCERIN EXTRACT



- Revitalizing
- Moisturizing
- Water 15-35%
- Glycerin 65-85%

Delivery time  
On Request



### Typical applications in the cosmetics industry

Spirulina Water Glycerin Extract is suitable both in cosmetic care for skin and hair and in the preparation of dermatological agents for skin treatment. In addition, Spirulina Water Glycerin Extract has effective components that stimulate the intracellular synthesis of ATP and the differentiation of keratinocytes. The peptides and other ingredients of Spirulina are especially recommended for moisturizing skin care products and anti-aging.

Spirulina water glycerin extract is applied through lotions, ointments and creams. The extract can also be found in aqueous liposome gels, as the gels have a positive effect on the skin due to their composition of fatty substances and their lipid-replenishing properties. The liquid can be mixed very well with other cosmetic components.



Powder

## TETRASELMIS SUECICA

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- Fatty Acids
- Minerals
- Vitamins
- Carbohydrates

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Delivery time  
On Demand



### Typical applications in the cosmetics industry

The unicellular microalgae *Tetraselmis suecica* can have a protective effect against the aging process of human skin due to sun exposure, as it boosts skin regeneration.

Therefore, the use of *Tetraselmis suecica* in cosmetic products is useful for the prevention of skin aging and related diseases. *Tetraselmis suecica* powder has potential to be used in anti-aging problems.





Powder

## ULVA INTESTINALIS



- Vitamin B12
- Calcium
- Magnesium
- Protein
- Iron
- Iodine

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Green algae *Ulva intestinalis* is a rich source of nutrients, proteins and peptides. The extract promotes the production of collagen and hyaluronic acid by human dermal fibroblasts.

*Ulva intestinalis* has properties that are promising for the cosmetic field. The high content of magnesium, selenium, calcium and iron, as well as the antioxidant, antibiotic, antiviral and antifungal effects provide a variety of positive effects for a better skin appearance.

The moisturizing extract from the macroalgae *Ulva intestinalis* relaxes and protects the skin from external influences. In addition, the epidermis is kept in good condition.



Liquid

## ULVA LACTUCA



- Vitamin C
- Magnesium
- Protein
- Iron
- Iodine
- Aosaine
- Heparin

Delivery time  
On request



### Typical applications in the cosmetics industry

Ulva lactuca is rich in sodium, potassium, aluminum, nickel, iodine, magnesium, manganese and is now an ingredient in many cosmetic and dermatological products. It also contains calcium, phosphorus, soluble nitrogen, vitamin A, vitamin B1, vitamin C and numerous other trace elements.

Ulva lactuca has not only antibacterial and fungicidal, but also proven anti-inflammatory effects.



powder

## ULVA RIGIDA



- Carbohydrate
- Protein
- Phenol
- Lipids
- Chlorophyll
- Carotenoid

Delivery time  
On request



### Typical applications in the cosmetics industry

Green algae *Ulva rigida* not only has antioxidant and antibacterial effect, but also has a strong antioxidant activity. Thus, the protein-containing algae provides protection against oxidative stress.

*Ulva rigida* is rich in ingredients that promote collagen biosynthesis as well as provide moisturizing properties. Skin damage and dry epidermis can thus be alleviated.



Powder

## ULVA SP.



- Vitamin C
- Magnesium
- Protein
- Iron

Delivery time  
On Demand



### Typical applications in the cosmetics industry

Rich in magnesium, proteins, iron and vitamin C, Ulva sp. green algae have much potential in cosmetic applications, especially in anti-aging products.

Ulva species also possess antibacterial, anti-inflammatory, antioxidant and antiviral activities.

Ulva sp. therefore lend themselves to possible uses in the treatment of sagging skin as well as skin strengthening.





Liquid

## UNDARIA PINNATIFIDA (WAKAME)



- Trace Elements: such as Manganese, Sodium and Magnesium
- Vitamin A, C, E and K
- Fucoidan for hydration and plumping of the skin
- Fucoxanthin as an agent to help regulate weight

Delivery time  
On request



### Typical applications in the cosmetics industry

Undaria pinnatifida is a brown alga that exerts a soothing function on the skin. This alga is also a rich source of nutrients when used externally. Hydration due to the polysaccharides, action as an antioxidant and soothing due to the fucoidan are some of the benefits and properties of Undaria pinnatifida macroalga.

Wakame macroalga can reduce the depth of wrinkles and improves the hydration of the skin. In addition, it has the ability to reduce redness after the skin is exposed to UV radiation. Undaria pinnatifida inhibits the activity of radical-producing enzymes and glycation.

Its role as an antioxidant is the basis for the reduction of oxidative stress in tissues and its action as an anti-aging agent. It also has anti-inflammatory, antibacterial and antimicrobial effects.



Whole

## ZONARIA TOURNEFORTII



- Antioxidant
- Antibacterial

Delivery time  
On Demand



### Typical applications in the cosmetics industry

The brown alga *Zonaria tournefortii* is used in cosmetics for the production of anti-aging agents. In addition, the macroalga has antibacterial and antifungal properties.

*Zonaria tournefortii* with its antioxidant effect can protect the skin and moisturize it at the same time.

*Zonaria tournefortii* is rich in pigments that absorb radiation in the blue light spectrum, including carotenoids, phlorotannins and chlorophyll, among others.





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