

SEMPERA
ORGANICS
INGREDIENTS FOR LIFE

Product Catalog



Wow your consumers, build brand loyalty and expand your product portfolio with Sempera Organics mushroom ingredients.

Fantastic Functional Fungi

Used as medicine for over 2000 years throughout Asia, mushrooms are clinically studied and scientifically proven to help with some of life's persistent problems: **immunity, sleeplessness, anxiety, performance and aging**, to name a few.

By adding our super ingredients to your food and beverages, you can elevate your brand beyond taste and nutrition.

It's truly food as tasty medicine! Our mushrooms are **GRAS listed** so you can be assured that your customers are always safe.



Our Products

We grow our mushrooms in our lab farm and process/extract them into fine powders of various particle sizes. This gets you consistent quality every time. We also produce proprietary blends and custom blends.

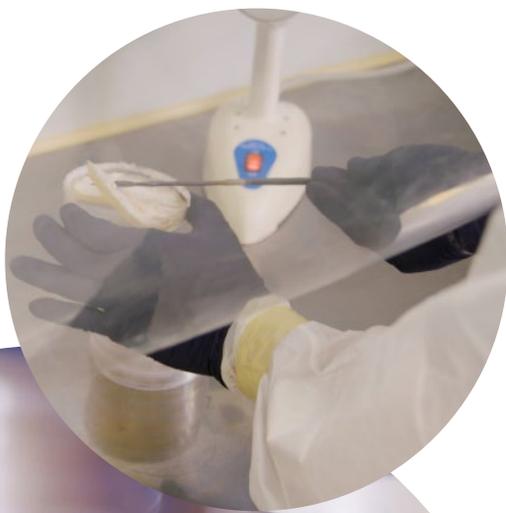
**Need a different format?
Ask us, we'll create a solution for you.**

Chock-full of Goodness

We have the purest and highest quality mushroom powders in the industry.

We guarantee your satisfaction.

- **25% beta glucans**
- **50% polysaccharides**
- **No microbials, pesticides or heavy metals**
- **Gluten-free, Vegan, non-GMO**



Our Superhero Mushrooms



Active Ingredients: sterols, coumarin, mannitol, alkaloids polysaccharides, mannitol lactones, organic germanium, adenosine, amino acids, and triterpenoids called ganoderic acids

Top Benefits Include:

- Promotes liver health
- Reduces stress
- Encourages restful sleep

REISHI

Ganoderma lucidum

A superfood used in eastern medicine for thousands of years, Reishi mushrooms support better mood and lower anxiety. They relieve stress, ensure peaceful sleep, support immune health, protect the liver, and are also known for their cancer fighting, anti-oxidative, anti-bacterial and anti-viral properties.

Key Applications: Reishi is a very popular addition to ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for stress reduction and immunity
- Addition to tea and chocolate for evening hot drinks to enhance sleep
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient

Taste: Earthy, moderate bitterness and more raw flavor than other mushrooms



Active Ingredients: inonotsuoxide A, inotodiol, trametenolic acid, and lanostéro

Top Benefits Include:

- Fights inflammation
- Supports immune system
- Benefits skin

CHAGA

Inonotus obliquus, Kabanoanatake (Japanese), Clinker polypore

Chaga mushrooms have been used as a traditional medicine in Russia and other Northern European countries for centuries to boost immunity and overall health. They have been used to treat diabetes, certain cancers and heart disease. They also benefit the skin. Chaga mushrooms are known for their antibacterial, anti-inflammatory, antioxidant, and antitumor properties.

Key Applications: Chaga is a popular addition to overall health ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for skincare and immunity
- Addition to tea and coffee as a functional enhancement
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient

Taste: Earthy flavor with a slight bitterness. Chaga also contains a naturally occurring form of vanillin, the same as what is found vanilla bean



LION'S MANE

Hericium erinaceus, *Bearded tooth*, *monkey's head*, *yam-abushiitake (Japanese)*, *hou tou gu (Chinese)*, *bear's head*

Buddhist monks use Lion's Mane mushrooms to enhance focus and purpose in their study and meditation, as they give calm and sharp focus. Research has found that Lion's Mane may protect against dementia, reduce mild symptoms of anxiety and depression and help repair nerve damage. Lion's Mane has been known to trigger the release of Nerve Growth Factor (NGF). Lion's Mane has strong anti-inflammatory, antioxidant and immune-boosting abilities, and has been shown to lower the risk of heart disease, cancer, ulcers and diabetes in animals.

Active Ingredients: hericenones and erinacines

Top Benefits Include:

- Improves long-term cognitive function
- Improved focus and concentration
- Enhanced memory retention and recall

Key Applications: Lion's Mane is a popular addition to quality nootropic (brain supplement) ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for enhancing focus and reducing anxiety
- Addition to tea and coffee as a functional enhancement
- Addition to ready to eat and grab-n-go foods (bars, power drinks, shakes, prepared meals etc) as a functional ingredient and enhancing taste due to its gentle umami flavor.

Taste: Lion's Mane's taste is often described as having a flavor similar to crab, lobster, and other large shellfish. It takes on the flavor of whatever beverage, spices or sauces you blend it in. So it's an excellent choice as a functional ingredient in foods and beverages.



CORDYCEPS MILITARIS

Cordyceps militaris

Cordyceps militaris is known to increase the body's production of the molecule adenosine triphosphate (ATP), which is essential for delivering energy to the muscles. Cordyceps is also reported to improve immunity by stimulating cells and specific chemicals in the immune system. There is early evidence suggesting that taking cordyceps during or after chemotherapy might improve quality of life and improve tolerance to the treatments.

Active Ingredients: cordycepin, adenosine, ergosterol, mannitol, lysine, glutamic acid, proline and threonine

Top Benefits Include:

- Aids the immune system function
- Increased energy
- Increased stamina & endurance

Key Applications: Cordyceps is a very popular addition to performance and energy ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for performance and immunity
- Addition to tea and coffee as a functional enhancement and an afternoon picker upper
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient and enhancing taste due to its earthy umami flavor

Taste: Cordyceps militaris has a savory umami-quality and a deep earthy-nutty flavor. It is suitable for prepared meals, soups and broths as a quality functional ingredient.



Active Ingredients: cordycepin (3'deoxyadenosine), adenosine, ergosterol, mannitol, lysine, glutamic acid, proline and threonine

Top Benefits Include:

- Aids the immune system function
- Increased energy
- Increased stamina & endurance

CORDYCEPS SINENSIS

Ophiocordyceps sinensis (formerly *Cordyceps sinensis*), Caterpillar fungus, yartsa gunbu (Tibetan), dong chong xia cao (Chinese)

Cordyceps sinensis mushrooms have been used for thousands of years in Chinese and Tibetan medicine. They increase oxygenation to sustain energy and support recovery. International interest in the benefits of Cordyceps increased in 1993 when several Chinese runners smashed various world records and attributed their success to eating Cordyceps mushrooms.

Key Applications: Cordyceps is a very popular addition to performance and energy ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for performance and immunity
- Addition to tea and coffee as a functional enhancement and an afternoon picker upper
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient and enhancing taste due to its earthy umami flavor

Taste: Cordyceps sinensis has a savory umami-quality and a deep earthy-nutty flavor. It is suitable for prepared meals, soups and broths as a quality functional ingredient.



Active Ingredients: ergosterol, linoleic acid, stearic acid, oleic acids

Top Benefits Include:

- Helps regulate the immune system
- Improves metabolism
- Controls cholesterol

ALMOND MUSHROOM

Agaricus subrufescens (*A. blazei* or *A. brasiliensis*), Almond-scented agaricus, Himematsutake (Japanese), Ji song rong (Chinese), Cogumela del sol (Portuguese)

Widely cultivated in Japan for its medicinal uses, Almond Mushroom is now considered as one of the most important edible and culinary-medicinal biotechnological species. It was traditionally used to treat many common diseases like atherosclerosis, hepatitis, hyperlipidemia, diabetes, dermatitis, and cancer.

Key Applications: Almond mushroom is a very popular addition to quality ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for health and immunity
- Addition to tea and coffee as a functional enhancement
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient and enhancing taste due to its flavor

Taste: Meaty and has the strong aroma and flavor of almond extract.



Active Ingredients: erythritol, copalic acid, adenosine, carvacrol

Top Benefits Include:

- Anti-viral properties
- Anti-inflammatory properties
- Improves bone density

SHIITAKE

Lentinula edodes, xiang gu (Chinese)

During the Ming Dynasty in China, Shiitake mushrooms were known as “the Elixir of Life.” They are commonly used now in cuisine and have been cherished in eastern medicine as a medicinal supplement to keep viruses away and lower inflammation. Shiitake mushrooms help keep you free from infection, lower cholesterol, and boost energy and brain health.

Key Applications: Shiitake is a popular addition to ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for health and immunity
- Addition to tea and coffee as a functional enhancement
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient and enhancing taste due to its rich flavor

Taste: Rich, meaty, and buttery when cooked



Active Ingredients: polysaccharides especially beta-glucan, heteropolysaccharide and proteoglycan. GF-1, Grifolan-N and Grifolan NMF-5N (5)

Top Benefits Include:

- Balancing the blood (blood sugar, cholesterol, blood pressure)
- Boosting immune function
- Cancer / tumor fighting properties

MAITAKE

Grifola frondosa, Hen of the woods, sheep’s head, hui shu hua (Chinese), Klapperschwamm (German)

Maitake has been one of the major culinary mushrooms in China and Japan for centuries. Its name translates as “the dancing mushroom” because, when it was first discovered over 2,000 years ago by a group of Buddhist nuns and woodcutters in Japan, they apparently danced because of the mushrooms’ taste and medicinal properties. In Europe and North America it is also known as the “hen-of-the-woods” because of its array of overlapping caps that resemble a bird’s feathers. It is used in Chinese medicine to improve spleen and stomach health as well as to calm nerves.

Key Applications: Maitake is a popular addition to ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for health and immunity
- Addition to tea and coffee as a functional enhancement
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient and enhancing taste due to its rich flavor

Taste: Strong earthy, peppery flavor and is best served cooked



Active Ingredients: polysaccharopeptide (PSP), polysaccharide-K (PSK), linoleic acid, oleic acid, palmitic acid, stearic acid, linolenic acid, p-hydroxy benzoic, protocatechuic, vanillic, homogentisic acids, leucine, isoleucine, methionine, tyrosine, glutamine, asparagine

Top Benefits Include:

- Relieves chronic fatigue symptoms
- Promotes healthy digestion
- Fights cancer



Active Ingredients: ergostadienol, dihydroxyergosterone, tiamulin hydrogen fumarate, pleureryn (protease), lovastatin, mevinolin, beta glucans

Top Benefits Include:

- Anti-oxidative and anti-viral properties
- Cancer fighting properties
- Supports heart health and blood sugar regulation

TURKEY TAIL

Trametes versicolor, Coriolus versicolor, Polyporus versicolor

Turkey Tail mushrooms' name comes from their eye-catching stripes. Their anti-microbial properties help protect the digestive system. Other benefits include immunological enhancement, liver protection, oxidation resistance, and reducing blood fat. They are also used in treating cancers, hepatitis, hyperlipidemia, chronic bronchitis, and other diseases.

Key Applications: Turkey Tail is a very popular addition to quality ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for digestion and immunity
- Addition to tea and coffee as a functional enhancement
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient

Taste: Slightly bitter, earthy and mild in flavor when compared to reishi or shiitake.

KING OYSTER

Pleurotus eryngii

King Oyster mushrooms are commonly used in Chinese, Korean and Japanese cooking and have become popular for their savory, umami flavor and meaty texture. They are high in antioxidants, have anti-viral properties, have been shown to lower cholesterol, help with weight loss, support bone health, and have been linked to a lowered risk of certain types of cancers.

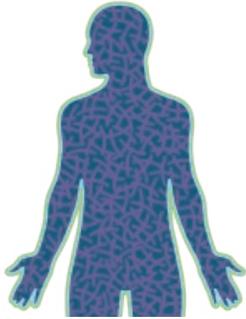
Key Applications: King Oyster is a popular addition to quality ingredient mixes included in supplements, functional foods and beverages.

- Dietary supplements for digestion and immunity
- Often used in soups and sandwiches and as a vegetarian substitute for seafood because they mimic the texture of scallops.
- Addition to ready to eat and grab-n-go foods (soups, shakes and prepared meals) as a functional ingredient

Taste: Earthy, aromatic, very savory with intense umami flavor. Some describe a subtle flavor of anise (black licorice) on the finish.

Our Blends

Powders of individual mushroom species can be blended to maximize wellbeing goals. We have proven formulations that do just that, so you don't have to worry. Our formulations can be adjusted to the flavor profiles that you desire.



IMMUNE CORE

Immunity Modulation

Made from a proprietary seven organic mushroom blend of *Agaricus blazei*, *Cordyceps sinensis*, *Ganoderma lucidum*, *Grifola frondosa*, *Lentinula edodes*, *Trametes versicolor*, and *Hericium Erinaceus*. Mushrooms contain immune activating beta glucans, and other polysaccharides within their indigestible cell walls. These polysaccharides are proven to maintain, protect, and support immune health. Our combination of mushrooms can add well-rounded support to help the body boost its immunity potential.



PERFORMANCE CORE

Performance Enhancement

The star of this blend is Cordyceps. Cordyceps provide organ-support via beta glucans including adenosine, cordycepic acid, cordycepin, and other related compounds. Adenosine and these other related compounds that help with adrenal fatigue and adrenal depletion and balancing cortisol levels, leading to increased energy, stamina, and endurance. In addition to physical recovery from excessive physical activity, our blend could help with countering a high-stress life style.



CLARITY CORE

Mental clarity, Nootropic effect

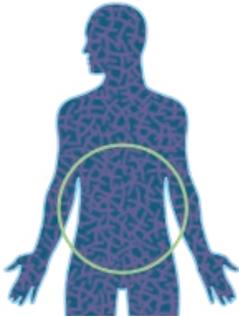
This blend makes full use of Lion's Mane. Lion's Mane consumption may enhance cognitive functions such as memory and concentration through myelination and the enhancement of Nerve Growth Factor (NGF) production. NGF (among other neurotrophins) are responsible for the health and normal function of the brain and nervous system.



AGEWELL CORE

Anti-aging and Antioxidation support

AgeWell Core blend is chiefly made up of Chaga and Tremella. Chaga is a powerful antioxidant, containing betulinic acid, a triterpene, the benefits for which are well researched and established. Tremella's polysaccharides helps the aging body maintain hyaluronic acid production. Hyaluronic acid is responsible to keep our skin pliable, firm and moist from within. High levels of Hyluronic acid has been proven to benefit joint cushioning and support, connective tissues, scalp tissue, hair follicles, eyes, gum tissues and skin.



BIOME CORE

Prebiotics to take care of your gut biome

Made from a blend of Lion's Mane, Shiitake, and Agaricus Blazei, Biome Core provides the much needed chitin to the beneficial gut bacteria in our bodies. Lion's mane has been proven to improve the enteric nervous system function that controls digestion, GI motility and production of mood-regulating neurotransmitter serotonin.

Why Work With Us

Full-service, consistent quality, short lead times and peace of mind. We recognize that each brand strives for different goals and that each product's food formula is unique. Sempera works with its customers to develop ingredients that work for you — adding functionality without taking anything away.

We partner with you on product flavor profiles because we know how important it is — we go the extra mile so that you don't ever have to worry. Our formulations can be readily adjusted and tweaked to produce the exact flavor profiles you desire.

How To Get Started

We are easy to collaborate with. Send us a note at hello@semperaorganics.com, or fill out the enquiry form here: <https://semperaorganics.com/contact-sales/>
We guarantee a response within 24 hours.

Elevate your brand with Sempera Organics ingredients



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