### **Cyactiv**®



Arthrospira platensis, also known as spirulina, is a blue-green algae like AFA (Aphanizomenon flos aquae). It provides a wide variety of micronutrients and macronutrients and contains specific active compounds such as phycocyanin, which constitutes the blue pigment of blue-green algae.

Cyactiv is a patented extract of spirulina standardized to phycocyanin content of greater than 30%. Phycocyanin acts in synergy with other compounds present in the extract, in order to calm and balance whole body inflammation.

#### **CHARACTERISTICS AND BENEFITS**

Spirulina is cultivated and harvested in sunny regions of the world such as the United States, Greece, Spain, Japan and India (Karkos et al., 2011). It is well known for its nutritional richness in macro and micronutrients. It is composed of more than 60 % of proteins and 14% of carbohydrates. It is a good source of polyunsaturated fatty acids, essential amino acids, and

micronutrients such as Iron, Calcium, Magnesium, Phosphorus and Selenium. It is used in nutritional supplementation all over the world.

Spirulina is a good source of phenolic compounds and beta carotenes, which represent two categories of antioxidants. It supports the immune system (Finamore et al., 2017) and helps maintain vitality.

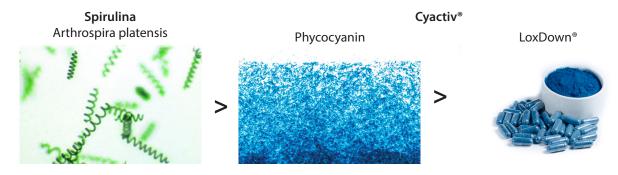
After more than 2 decades of experience in aquatic agriculture and harvesting, Cerule has become an expert in the production of exclusive and unique extracts. Recently, Cerule has extended its production capacities to transform spirulina in order to isolate phycocyanin and other active compounds present in spirulina.

Cyactiv® is a spirulina-based food supplement produced by an unique filtration process that enables the concentration of both phycocyanin and a compound called LoxDown®. Phycocyanin and LoxDown work in synergy to calm and balance whole body inflammation.

The extraction process to produce Cyactiv® is exclusively based on water and does not include any solvent or synthetic compound. The concentration in phycocyanin is > 30%. Cyactiv® is on average 4 times more concentrated in phycocyanin than standard spirulina. Drying process is carried out at low temperature to preserve all the nutritional properties of Cyactiv®.

The filtration process and drying steps are patented and exclusive to Cerule, resulting from many years of research and development. This expertise enables the company to control the process from the raw material to the finished product, setting up high quality control standards at all steps of the process.

The benefits of consuming Cyactiv® have been assessed in three different clinical studies, which have been published in peer-reviewed journal (Jensen et al., 2016a; Jensen et al., 2016b; Jensen et al., 2015).





#### **INGREDIENTS AND LABELS**

Cyactiv® is a proprietary formula, clinically proven to balance and calm systemic inflammation that has been associated with a myriad of health concerns.

Clinical research shows Cyactiv helps balance multiple inflammation pathways, supporting a fully active lifestyle.

Supports a healthy inflammation response

Supports a healthy immune response

Calms whole-body inflammation

Calms whole-body inflammation

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#### Inflammation Support

**S** Balance

**⊘** Calm

**⊗** Support

60 CAPSULES
DIETARY SUPPLEMENT

Suggested Use: Take 2 capsules daily with food.

# Supplement Facts Serving Size: 2 capsules Servings per container: 30 Amount Per Serving Cyactiv® Spirulina Extract (Phycocyanin >30%) 1 Daily value not established

Other ingredients: Hypromellose (Vegetable Capsule), Organic Rice Concentrate.

**Product does not contain:** Dairy, wheat, gluten, peanuts, soy or corn allergens. No artificial flavors or colors.

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#### **CONDITIONS OF USE**

Recommended daily dose for an adult: 2 capsules, 1 to 2 times per day, with a glass of water, during meals. Do not refrigerate.

#### **ADDITIONAL INFORMATION**

Do not contain dairy product and gluten.

Do not contain artificial aroma, preservative or coloring agent. Capsule exclusively composed of ingredient of vegetal origin. Suitable for vegetarian consumers.

Cerule has no knowledge of any contraindications with regards to the consumption of Cyactiv® in case of pregnancy or breastfeeding. However, as a precaution, we advise that you consult your physician, as pregnancy and breastfeeding represent specific health conditions.

Cerule has no knowledge of any contraindications or interactions between Cyactiv® and other medication. However, if you are taking prescription drugs or if your health condition requires medical attention, we advise that consult your physician.

Food supplements cannot be substitutes for a varied and balanced diet and a healthy lifestyle. Cyactiv<sup>®</sup> is a food supplement which is not intended to treat, diagnose or prevent any disease.

#### Q&A

#### What are the ingredients of Cyactiv®?

Cyactiv® is a patented extract of spirulina standardized for phycocyanin. Phycocyanin acts in synergy with other compounds present in the extract called LoxDown®, in order to to calm and balance whole body inflammation.

## Can Cyactiv® be used with Cerule food supplements (PlasmaFlo and StemEnhance Ultra®) or with other food supplements?

Yes, Cerule products can be consumed together and have been created to act in synergy for an optimal wellness. Cerule has no knowledge of any contraindications or interactions between Cyactiv® and any other food supplements.

For more information, please visit our website www.cerule. com, Facebook.com, Youtube.com: Cerule. Customer service will answer all your questions by phone at 0033 (0) 977 550 100 or by email at infoeurope@cerule.com.

#### REFERENCES

Finamore A., Palmery M., Bensehaila S., Peluso I., 2017, Antioxidant, Immunomodulating and Microbial-Modulating activities of the Sustainable and Ecofriendly Spirulina, Oxidative Medicine and Cellular Longevity, 3247528:1-14.

Jensen G.S., Attridge V., Carter S. G., Guthrie J., Ehmann A., Benson K. F., 2016a, Consumption of an aqueous cyanophyta extract derived from Arthrospira platensis is associated with reduction of chronic pain: results from two human clinical pilot studies, Nutrition and Dietary Supplements, 8:65-70.

Jensen G. S., Drapeau C., Lenninger M., Benson K. F., 2016b, Clinical Safety of a High Dose of Phycocyanin-Enriched Aqueous Extract from Arthrospira (Spirulina) platensis: Results from a Randomized, Double-Blind, Placebo-Controlled Study with a Focus on Anticoagulant Activity and Platelet Activation, Journal of Medicinal Food, 19(7):1-9.

Jensen G. S., Attridge V., Beaman J. L., Guthrie J., Ehmann A., Benson K. F., 2015, Antioxidant and Anti-Inflammatory Properties of an Aqueous Cyanophyta Extract Derived from Arthrospira Platensis: Contribution to Bioactivities by the Non-Phycocyanin Aqueous Fraction, Journal of Medicinal Food, 18(5):535-541.

Karkos P. D., Leong S. C., Karkos C. D., Sivaji N., Assimakopoulos D. A., 2011, Spirulina in clinical practice: evidence-based Human Applications, Evidence-Based Complementary and Alternative Medicine, 531053:1-4.

