



### **NOP Certification**

#### A Dream Realised

*"Innovation distinguishes between a leader and a follower" - Steve Jobs*

Continuing on our path of innovation, Java Biocolloid is proud to announce that we have achieved Organic Certification according to the US FDA standards. It has been a long journey that allowed us to realise a vision born many years ago. Thanks to the efforts of the Java Biocolloid team, we have achieved one of our biggest goals to date, NOP Organic Certification.

When we started the project of organic seaweed, agar and seaweed fiber (phytaFIBER) several years ago, we were often told that it would be an arduous journey that would not lead to economic success due to the fact that our products are used in small percentages, allowing the producer to still claim organic status. However, we persisted and this project was, is and will continue to be a large commitment for us; manufacturing according to the laws of nature is our business philosophy.

We believe that what it comes down to is the responsibility that each of us carries to not only produce, but to consume more mindfully and become aware of the consequences that our actions pose to the natural world. Our team is 100% devoted to our mission and is working towards promoting this philosophy to the broader hydrocolloid market.

### **The Threat of Microplastics in Food**

#### Our Commitment to Consumer Health

Java Biocolloid has chosen to invest in a line of products that are not only sustainable from an environmental perspective, but also safe for consumers. [Read More](#) We hold ourselves to the highest standards, much stricter than ones imposed by current legislations.

However in the last few years an ever-growing threat to our health arrived at the forefront of media and consumer attention: microplastics. As of today the definition for microplastics has not been agreed upon and recently nanoplastics were added to the list, making the classification even more difficult. These nanoplastics are more insidious than microplastics, as they can enter the blood system and accumulate in human tissues.

**“ We can proudly claim to be the first and only company in the world able to produce and trade organic *Gracilaria verrucosa* seaweed ”**

I would like to thank the entire team coming together to create this innovative company. As of today we can proudly claim to be the first and only company in the world able to produce and trade organic *Gracilaria verrucosa* seaweed and *Gracilaria verrucosa* extracts worldwide while also being, at first, certified Organic according to the strictest European rules (KIWA BCS) and Fair Trade (Naturland) and now USA (OneCert). [Read More](#)

Indonesia, although it's rarely seen as a player on the world stage when it comes to green economies, organic and sustainable production, with these certifications, it is demonstrating to the world-wide business community its dedication to these causes. Indonesia is a youthful nation with people of great and diverse skills, but, above all, with hearts that look towards a sustainable and bright future who know that *"we do not inherit the world from our ancestors; we borrow it from our children"* - Native American Proverb.

**Lino Paravano, Technical Director**

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Current regulation is extremely loose and Java Biocolloid has devised a method of analysis that allows us to evaluate the presence of microplastics in our products down to the size of 50 µm without waiting for legislation to catch up. Our R&D team is currently developing a method of mass spectroscopy able to evaluate the presence of plastics of even smaller size.

With our continued dedication to consumers' health and protection, these efforts have allowed us to detect and reduce the levels of microplastics in our harvested seaweed. Our goal is to eliminate the presence of these pollutants and, thanks to the work of our R&D team, this objective is very much in sight. [Read More](#)