

2nd Generation Oligo Fucoïdan - “NEW TECHNOLOGY UPGRADED FUCOIDAN”!

Translab FOII® Oligo Fucoïdan is a patented high water soluble carrier technology, active ingredient with multiple health benefits. The 2nd generation low molecular weight fucoïdan (<500-3000Da), a new manufacturing processes has increased the bioactivity by 2-3 times; derived from naturally dried, oceanic brown seaweed (Saccharina japonica) as functional food health ingredient. It is water soluble, standardized spray dried brown seaweed polysaccharide extract. It is a light brown powder with characteristic taste and no odor. Translab FOII® Oligo Fucoïdan is completed human clinical trials with remarkable results.

It is marketed under the trademark FOII® or Translab FOII® Oligo Fucoïdan EX

- Water hydrolysis fucoïdan 3 times more bioactive than 1st generation
- 99% high concentration water soluble fucoïdan
- Patented technology-Highly water-soluble coating technology
- 2nd Generation polymer structure : Completely soluble, fully release, high absorption



Updated: 01 June 2024 Version 2.0

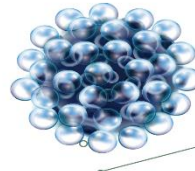
INFORMATION ABOUT THE INGREDIENT

What is Fucoïdan?



Fucoïdan is a general designation for sulfated and fucosylated polysaccharides that are found in brown seaweed.

It is used medicinally or supplements for a wide variety of health purposes.



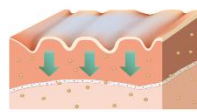
Oligo-Fucoïdan

(low molecular weight)

- ✓ Small size
- ✓ Increase the contact area
- ✓ Regulate physiological functions increased above **40%**

2nd generation Oligo fucoïdan Highly Water-Soluble Carrier Technology

- Exclusive patented technology
- High safety
- Water soluble
- Hydrolysis extraction technology
- Ultra-pressure filtration
- Porous and high permeability
- Activity increased by 300%



**Solubility
Absorption
Activity**

- ⚙️ **Increase the contact area**
Regulate physiological functions
- 🧱 **Porous and high permeability**
High solubility, 99%
- ⚙️ **Ultra-pressure filtration**
Remove invalid sediment



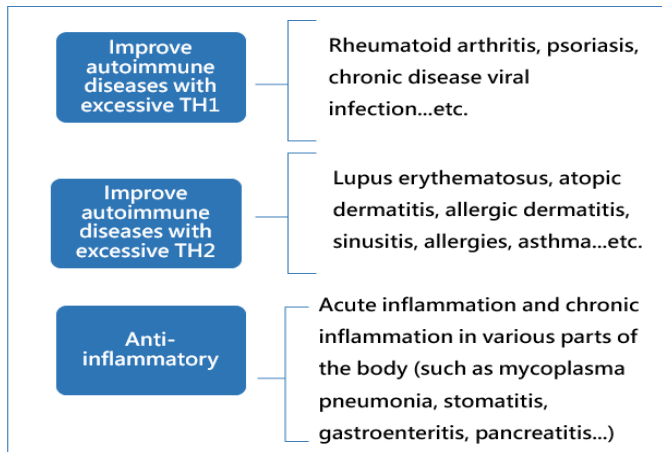
Normal Fucoïdan

(high molecular weight)

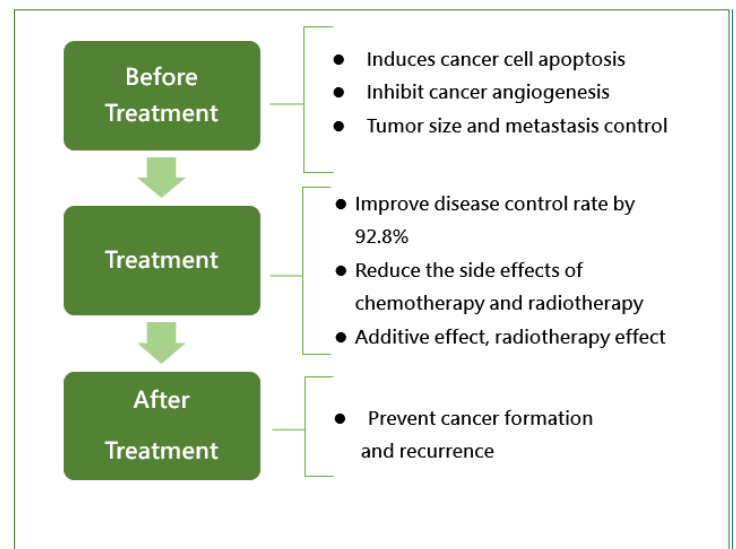
- ✗ Big size
- ✗ Cannot fully bind to the receptor
- ✗ Low physiological function

HEALTH BENEFITS & CLINICAL APPLIATION

Bi-directional immune regulation and anti-inflammation



Cancer adjuvant treatment



FOII® OLIGO FUCOIDAN EX / Powder (Technical Data)

Appearance: Light brown powder
Flavor: No odor, slight seaweed taste
Botanical origin: Saccharina Japonica
Total Polysaccharide LMW Fucoïdan: >65%
Molecular Size: <500-3000 Daltons
Inorganic Arsenic (As) : <1ppm
Packaging: 2 kg/pack; 10kg/Cartron
Shelf Life: 2 years
Heat & Stability: 100 °C (1 hour) ; 121 °C (30 mins)

Safety & Quality Testing : Every lot of production
Suggest Use & Suitable for: Immune Modulation : 0.5 -1.0 g/day
Adjuvant Functional Support for Medical Purpose : 2-4 g/day
 *Consult with professional dietitian or physician

Application: FOII® Oligo Fucoïdan EX / Powder is versatile and easy to use as a dietary intake health ingredient. Product form as capsules, tablets, sachets powder & beverage drink. Suitable for all kinds of health supplement, functional drink & nutritional formulation products

ANALYSIS

Item	Specification	Methods
Appearance	Light Brown Powder	Visual
Water soluble polysaccharides	≥ 65%	UV-VIS
Water solubility ratio	≥ 98%	AOAC
Thickness	< 80 mesh	AOAC
Moisture	≤ 5.0%	AOAC
Ash	≤ 5.0%	AOAC
Odour and Taste	Odorless and Bland Taste	Sensory Analysis
Heavy metal - Inorganic As	≤ 1ppm	ICP-OES
Heavy metal-Pb	≤ 1ppm	ICP-OES
Heavy metal-Hg	≤ 1ppm	ICP-OES
Heavy metal-Cd	≤ 1ppm	ICP-OES
Total plate count (CFU/ml)	< 1000 CFU/ml	AOAC
Coliform	≤ 1000 MPN/g	AOAC
Escherichia coli	Negative	AOAC
Yeast	≤ 100 cfu/g	AOAC
Mold	≤ 10 cfu/g	AOAC
Salmonella spp.	Negative	AOAC
Pharmaceutical adulterants (365)	Negative	LC/MS/MS
Conclusion	PASS	

PACKAGING AND STORAGE

Packaging		Storage	
Primary	N.W. 2KG / Bag / Aluminum pack 10Kg per carton size:(54.0x34.0x40.0)cm	Shelf life	2 years
Secondary	Cardboard box	Storage conditions	At room temperature Protect from light, heat and humidity Keep closed in its original pack

DESIGNATIONS

Export				
	Korea	China	South East Asia	USA
Accredited: yes/no	yes	yes	yes	Yes
Under name	FOII® Oligo Fucoidan Seaweed Extract	FOII® Saccharina japonica Powder	FOII® Saccharina Japonica Extract	FOII® Oligo Fucoidan Seaweed Extract

The information provided is given in good faith and is based on the material available data at the time.
For further information, please see the M.S.D.S.

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