

2nd Generation Oligo Fucoidan - "NEW TECHNOLOGY UPGRADED FUCOIDAN"!

Translab FOII® Oligo Fucoidan is a patented high water soluble carrier technology, active ingredient with multiple health benefits. The 2nd generation low molecular weight fucoidan (<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 Fucoidan is completed human clinical trials with remarkable results.

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

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



Updated: 01 June 2024 Version 2.0

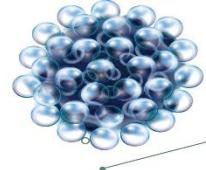
INFORMATION ABOUT THE INGREDIENT

What is Fucoidan?



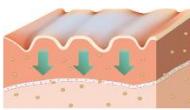
Fucoidan is a general designation for sulfated and fucosylated polysaccharides that are found in brown seaweed.

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



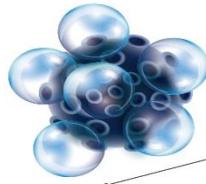
Oligo-Fucoidan
(low molecular weight)

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



**Solubility
Absorption
Activity**

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



Normal Fucoidan
(high molecular weight)

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

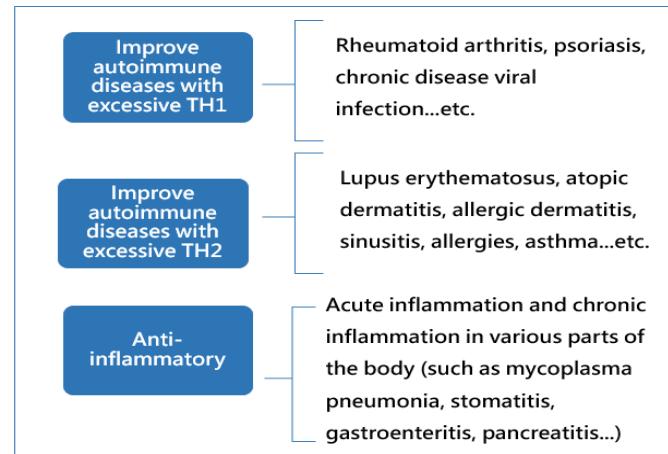
2nd generation Oligo fucoidan Highly Water-Soluble Carrier Technology

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

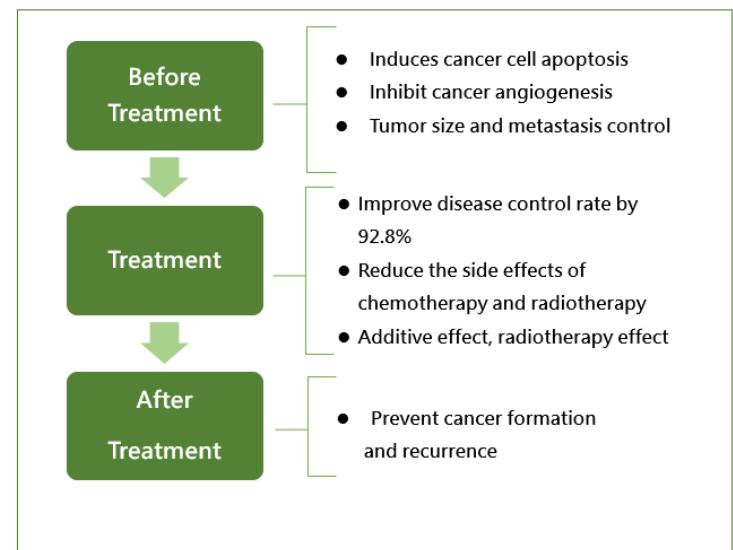


HEALTH BENEFITS & CLINICAL APPLICATION

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: <i>Saccharina Japonica</i>
Total Polysaccharide LMW Fucoidan: >65%
Molecular Size: <500-3000 Daltons
Inorganic Arsenic (As) : <1ppm
Packaging: 2 kg/pack; 10kg/Carton
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 Fucoidan 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 Storage conditions At room temperature Protect from light, heat and humidity Keep closed in its original pack
Secondary Cardboard box	

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.

END