

## TECHNICAL DATA SHEET

# FucoVin™ Fucoidan

## 95%

### Chemical Properties

CAS: 9072-19-9

Plant Source: *Laminaria Japonica*

Molecular Formula: Unspecified

### Description

Fucoidan is a sulfated polysaccharide found mainly in various species of brown seaweed such as kombu, limu moui, bladderwrack, wakame, mozuku, and hijiki (variant forms of fucoidan have also been found in animal species, including the sea cucumber). Fucoidan is used as an ingredient in some dietary supplement products.

### Solubility

It is soluble in water, but insoluble in ethanol, chloroform and ether.

### Specification

Item	Specification	Test Method
Appearance	Off-white powder	Visual
Odor	Characteristic	Organoleptic
Fucoidan	Min 95.0%	In-house
Organic SO <sub>4</sub> <sup>2-</sup>	Min 30.0%	Precipitation
L-Fucose	Min 20.0%	HPLC
Particle Size	Min 98% through 80 mesh	80 mesh screen
Loss on drying	Max 5.0%	USP<731>
Heavy metals	Max 10.0ppm	Colorimetry
Arsenic(inorganic)	Max 1.0ppm	Atomic Absorption Method
Lead	Max 1.0ppm	Atomic Absorption Method
Cadmium	Max 0.5ppm	Atomic Absorption Method
Mercury	Max 0.01ppm	Atomic Absorption Method
Total Plate Count	Max 10,000cfu/g	USP<2021>
Yeasts& Molds	Max 100cfu/g	USP<2021>
<i>E. Coli</i>	Negative	USP<2022>

Salmonella	Negative	USP<2022>
S. aureus	Negative	USP<2022>

## Ingredients

FucoVin™ Fucoidan 95% is a kind of polysaccharide consisting of min 95% Fucoidan, min 30.0% Organic SO<sub>4</sub><sup>2-</sup>, min 20.0% L-Fucose.

## Labeling

In the United States and the European Union: Fucoidan

## Applications

Fucoidan is an excellent raw material of health-foods and drug medicine: Anti-tumor, Anti-oxidation, Immunomodulation, Anticoagulant, Renal benefit, Anti-aging, Wound healing, Brightening.

## Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

## Handling recommendations

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation.

Keep away from sparks, and flame. Keep away from sources of ignition. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances and flammables-area.

## Packaging, Storage & Shelf Life

Package	1g/bag; 1kg/aluminum foil bag; or according to customers' requirements.
Storage	Store in a cool and dry place. Be kept in the sealed container, avoiding strong and direct light and moisture.
Shelf life	2 years if sealed and stored properly.