

## Certificate of Analysis

<b>Product Information</b>			
Product Name	Fucoidan Powder	Report Number	FUP202110
Botanical Name	Laminaria japonica	Manufacture Date	2021/10/18
Used Part	Leaf	Analysis Date	2021/10/23
Batch Number	FUP211018	Report Date	2021/10/28
Batch Quantity	500Kg	Expiry Date	2024/10/17
<b>Test items Specifications Result Test Methods</b>			
<b>Active Ingredients</b>			
Assay	≥95.0% Fucoidan	95.12%	UV
	≥20.0% Organic SO <sub>4</sub> <sup>2-</sup>	21.06%	BGT16484.12-2006
	≤31.0% Alginic Acid	28.15%	Seaweed Chemical
	≥70.0% Carbohydrate	72.25%	Seaweed Chemical
	≥23.0% L-Fucose	23.89%	Seaweed Chemical
<b>Physical &amp; Chemical Data</b>			
Appearance	White Fine Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	≤5.0 %	2.58%	105°C/2 hrs
Total Ash	≤5.0 %	0.43%	GB 5009.4-2016
<b>Contaminants</b>			
Lead (Pb)	<3.0mg/kg	Conforms	ICP-MS
Arsenic (As)	<2.0mg/kg	Conforms	ICP-MS
Cadmium (Cd)	<1.0mg/kg	Conforms	ICP-MS
Mercury (Hg)	<0.1mg/kg	Conforms	ICP-MS
<b>Microbiological</b>			
Total Aerobic Count	≤1000cfu/g	175cfu/g	GB 4789.2
Yeast & Moulds	≤100cfu/g	30cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10
<b>Conclusion</b>			
Conclusion	To be complied with in-house Specification		
Shelf Life	3 years when properly stored.		
Storage	Store in cool & dry place, not freeze. Keep away from strong light.		

*Remarks: This product is natural, the color vary from batch to batch.*

Tested by: 张丽娜

Checker: 李明

Approved:

