

Certificate of Analysis

Product Name	Fucoidan	Botanical Origin	Fucus Vesiculosus
Lot No.	KT20251125	Batch Quantity	172kg
Manufacture Date	2025/11/25	Expiry Date	2027/11/24
Report Date	2025/12/22	Country of origin	China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			

Analysis Items	Specifications	Results	Test Method
Assay	Fucoidan $\geq 95\%$	99.6%	SCT 3404-2012
Organic SO ₄ ²⁻	Sulfuric acid group $\geq 15\%$	23.9%	SCT 3404-2012
L-Fucose	$\geq 15\%$	26.9%	HPLC
Total Sugar	$\geq 50\%$	76.0%	UV
Physical and chemical properties			
Appearance	Light-yellow fine powder	Conforms	Visual
Odour	Slight, Specific	Conforms	Organoleptic
Water-solubility	Souble in Water	Conforms	Visual
Particle Size	$\geq 100\%$ Through 80 mesh	Conforms	Sieve Test
Loss on drying	$\leq 10.0\%$	8.73%	GB 5009.3
Heavy Metals	≤ 10.0 ppm	Conforms	SCT 3404-2012
Inorganic As	$\leq 1.5\text{mg/kg}$	Conforms	AFS
Pb	$\leq 3.0\text{mg/kg}$	0.39mg/kg	AAS
Hg	$\leq 0.5\text{mg/kg}$	Not detected	AAS
Microbiological Quality (Total viable aerobic count)			
Total Plate Count,cfu/g	$\leq 1,000$ CFU/g	<100cfu/g	GB 4789.2
Mold Count,cfu/g	≤ 100 CFU/g	Conforms	GB 4789.15
Yeast Count,cfu/g	≤ 100 CFU/g	Conforms	GB 4789.15
E. coli	Negative	Not detected	GB 4789.38/ISO 7251
Salmonella	Negative/25g	Not detected	GB 4789.4/ISO 65791-1
Staphylococcus	Negative/25g	Not detected	GB 4789.10
* Storage Condition: Store in tightly closed plastic bag and keep in a cool dry place. Do not freeze. Keep always from strong direct light.			
* Shelf Life: 2 years when stored properly			
* Safety Precaution: Wearing of protective goggles or safety glasses is recommended.If accidentally instilled into the eyes,immediately rinse thoroughly with water and get medical care. Wash skin with soap and water upon contact.			
Conclusion	Confirm to Specification and Standards.		

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Quality Inspection & Testing

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