

Fucoidan Specification Sheet

Public technical specification for buyer documentation review

Source page: <https://www.naturalbestbio.com/fucoidan-85-98.html>

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Field	Specification / note
Ingredient name	Fucoidan 85-98%
Synonyms	Fucoidin; sulfated alpha-L-fucan; sulfated fucose polysaccharide; brown seaweed polysaccharide
CAS number	9072-19-9
Molecular formula	Not applicable — polydisperse sulfated polysaccharide built on an L-fucose backbone with sulfate ester groups, plus minor galactose, mannose, xylose and uronic acid units depending on species.
Molecular weight	No single defined value; molecular-weight distribution varies with species and process and is reported per grade where a buyer specifies it.
Assay / purity	Fucoidan content 85% to 98% depending on grade; the exact grade, assay method and assay basis are specified per order and stated on the Certificate of Analysis. Sulfate content and fucose content are reported alongside assay.
Source / production route	Aqueous extraction and purification from brown seaweed (<i>Fucus vesiculosus</i> , <i>Undaria pinnatifida</i> or <i>Laminaria japonica</i> depending on grade). Species, harvest region and process are stated on the specification sheet, since species determines the sulfation pattern.
Appearance	Off-white to light brown or beige powder
Solubility	Soluble in water, forming viscous solutions at higher concentrations; insoluble in ethanol and most organic solvents. Viscosity behaviour should be confirmed for beverage and topical bases.
Typical applications	Capsules, tablets, sachets, powder blends and topical cosmetic bases for B2B manufacturing; commonly formulated alongside marine collagen, prebiotic fibre and immune-positioned ingredients
Documentation	Certificate of Analysis, specification sheet, species and origin declaration, fucoidan and sulfate content, iodine content, heavy metals including arsenic speciation on request, microbiological testing, residual solvents, allergen statement, GMO statement and stability data
Quality system	ISO 22000:2018, FSSC 22000, HACCP and GMP (certificates provided on request)
Supplier	Nutrition BioTech, 1601 W. Mission Blvd, Suite 103 (DL#29), Pomona, CA 91766, United States

Public disclosure note: This public sheet is prepared from the current NaturalBestBio product-page specification block. It is not a batch-specific Certificate of Analysis. Lot-specific COA and supporting records are available for qualified buyer review when appropriate.

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