



AGAR-FERMENT™

(HYDROLYZED MUSHROOM FERMENT)

Mushrooms are a low-calorie food and pack a nutritional punch, loaded with many health-boosting vitamins, minerals, and antioxidants. Our Mushroom ferment extract has been developed using a “Patent (Pending) hydrolysis process” further enhancing it’s functionally using “Nanotechnology”. This is a “Button Mushroom” extract (*Agaricus bisporus*) which is a from the family of “Brown Mushrooms”. They are a potent source of biotin, a B vitamin known for promoting hair growth and strength. Mushroom extracts, are even studied for accelerating the skin turnover rate and helps in repairing dermal molecular components that provide structure and elasticity to the skin. Contemporary research elucidating the biological activities of these mushrooms, specifically their antioxidant, anti-inflammatory, antimicrobial, and wound-healing capabilities.

INCI: Agaricus Bisporus Extract (Enzyme Hydrolysed), Alkaline water, Phenoxyethanol & Sorbate

KEY NUTRITIONAL SPECS	CONTENT RANGE
Botanic Nano-Actives (Using Rapid Refractive Index)	Min 12%
Secondary Metabolites (Data may vary subject to test conditions & product origin & growing environment/Season)	Phenolics – 100-112 ug/ml Saponins – 140-160ug/ml Terpenoids – 140-160ug/ml Flavonoids – 100-112ug/ml
pH	6-7
Solubility	Water phase Soluble
Specific Gravity	0.80-0.90

FUNCTIONAL BENEFITS/APPLICATION



Scientific literature Reference: *bioRxiv preprint doi: <https://doi.org/10.1101/2021.10.21.465111>; this version posted October 24, 2021 **Molecules2016, 21.1372; doi: 10.3390/molecules21101372www.mdpi.com/journal/molecules ***Hindawi Journal of Food Biochemistry Volume 2023, Article ID 5915769, 26 pages <https://doi.org/10.1155/2023/5915769>.

Suggested Dosage in Skin/Hair care formulation:

4-5%. The Ferment can be “Customized” based on “Botanic Nano-Active” % as per requirement).

Packing, Shelf life & Storage conditions: Shelf life 18 Months. Store in ambient conditions preferably Cool Dry place, away from heat & Sunlight. Packing :5 Kgs & 20 Kgs HDPE Cans.

We are also pleased to offer our “Mushroom Extract” based on Patent Pending (No.: 202341036475) Process Technology

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