



# IMOIST TREMELLA PF

Tremella Fuciformis Polysaccharide

- Deep Hydration
- Skin Barrier Support
- Improved Skin Elasticity
- Smoother Complexion

BIOALKEMIA 

## Definition

A natural polysaccharide derived from the silver ear mushroom, is renowned in the cosmetic industry for its exceptional hydrating properties. It effectively retains water, delivering intense and long-lasting hydration. By forming a protective film on the skin's surface, it reduces moisture loss and enhances the skin's barrier function. Additionally, it improves skin elasticity, promoting a smoother and more supple complexion.



## APPLICATION

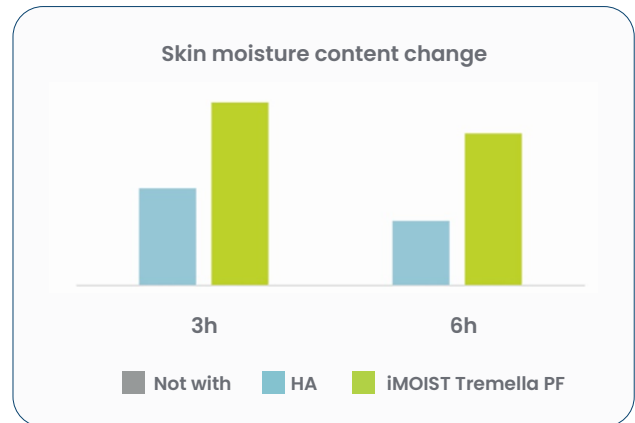
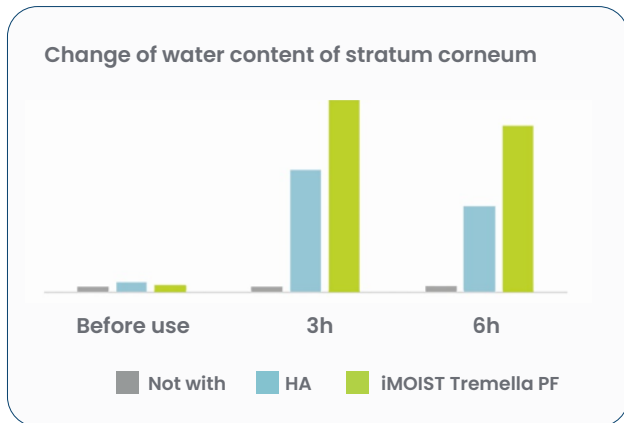
**Skin Care products:**  
Creams, lotions, gels,  
essences, face masks

**Hair Care products:**  
Shampoos, conditioners,  
hair masks, serums.

## Benefits

- **iMoist Tremella PF** is a new type of plant derived high efficiency humectant extracted from tremella, it has good anti-oxidation and moisturizing properties.
- Its average molecular weight is over 1 million Da.

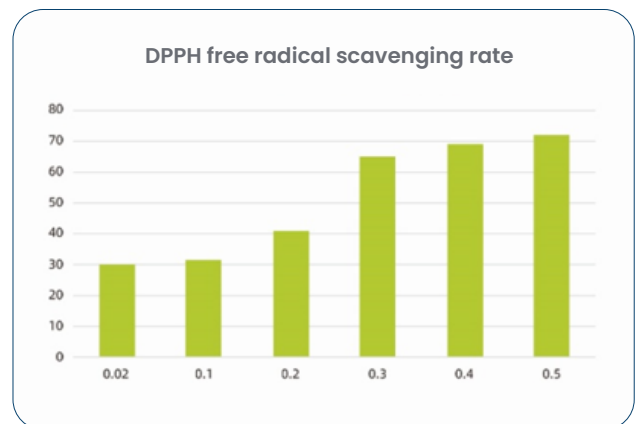
### Benefit - Efficient Moisturizing



**iMoist Tremella PF** can significantly enhance the hydratability of the skin cells, increase the moisture content of the skin, form a layer of moisturizing protective film to reduce the moisture loss on the surface of the skin.

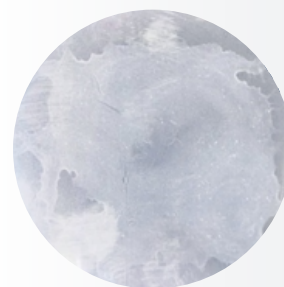
### Benefit - Anti-oxidation and Anti-aging

With the certain ability of scavenging super-oxide radical and hydroxyl radical, **iMoist Tremella PF** can prevent skin from aging by inhibiting per-oxidation of the cytolipin, and promote skin regeneration by increasing the vitality of the skin cells.



### Benefit - Improving Skin Feeling

**iMoist Tremella PF** is a kind of high molecular polymer, with good skin affinity and high viscosity. The skin feels moist and smooth, with no dry and tight feeling.



HA



iMoist Tremella PF

## Formulation instructions

- Recommended dosage - 0.5% to 5.0%
- Soluble in water, it can be directly incorporated into the aqueous phase of the formulation.
- Recommended pH in formulations: 4.5-6.5



## Technical Data

INCI Name US	Tremella Fuciformis Polysaccharide
INCI Name EU	Tremella Fuciformis Polysaccharide
Aspect	Powder or granule
Color	White or almost white
pH (0.5% aq. sol., 25°C):	5.5 – 8.0
Transmittance (0.1% aq. sol., 25°C):	≥ 99.0%
<b>Assay Total Saccharides:</b>	<b>≥ 90.0%</b>
<b>Assay of Glucuronic Acid:</b>	<b>≥ 18.0%</b>
<b>Loss on Drying:</b>	<b>≤ 10.0%</b>
<b>Residue on Ignition:</b>	<b>≤ 10.0%</b>
<b>Protein:</b>	<b>≤ 0.1%</b>

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