



# Glorydermal<sup>®</sup> **Botanyluron**

Botanical hyaluronic acid



  
GloryDermal

Extract from the spore fruit of the mushroom **Tremella fuciformis**. This mushroom, also known as *Silver Ear* or *White Fungus*, is a highly valued edible and vital mushroom in Asia (TCM). It thrives preferably on mango wood and is cultivated on a wooden substrate.

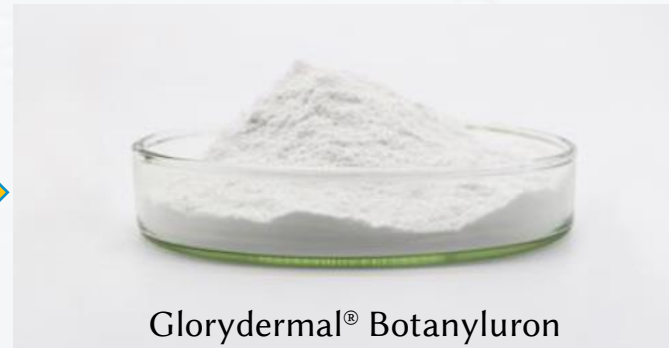


**INCI: TREMELLA FUCIFORMIS SPOROCARP EXTRACT**

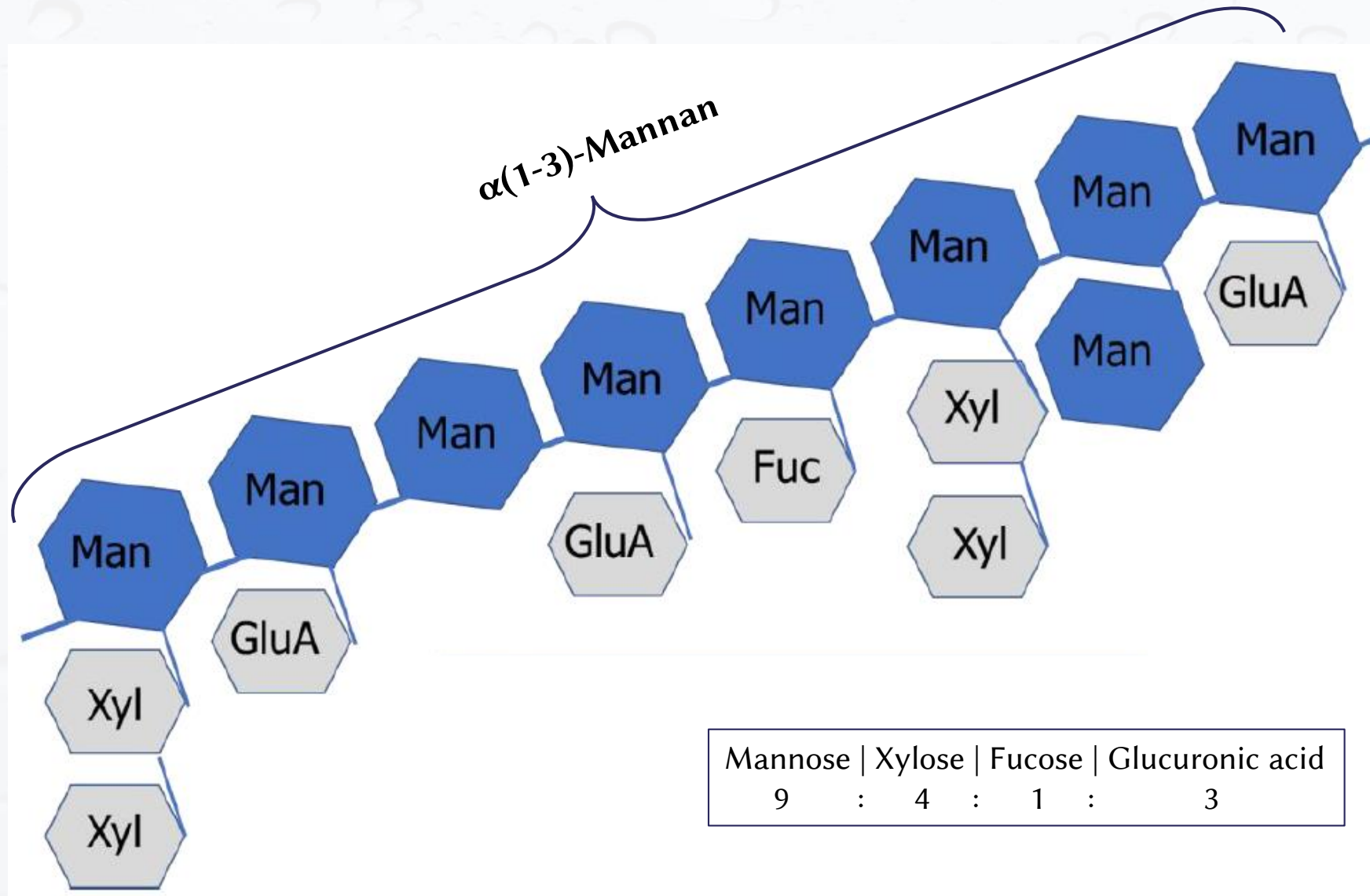
A natural, water-soluble polysaccharide with an average molecular weight of > 1 million Daltons. The molecular structure corresponds in structure and function to the structure of hyaluronic acid. Therefore, this extract is also called **botanical hyaluronic acid** and is at least as effective as hyaluronic acid produced by genetic engineering.



Tremella fuciformis (dried)



Glorydermal® Botanyluron





- ❖ **Highly effective moisturiser:** forms a natural, moisture protecting film and provides intensive moisture, better and longer lasting than hyaluronic acid\*.
- ❖ Leaves skin feeling **supple** and **soft**.
- ❖ **High viscosity and good skin affinity:** increases the viscosity of cosmetic products without stickiness.
- ❖ **Emulsifying effect:** can support the formation of emulsions.
- ❖ **Conditioning effect:** suitable for hair care products as well.

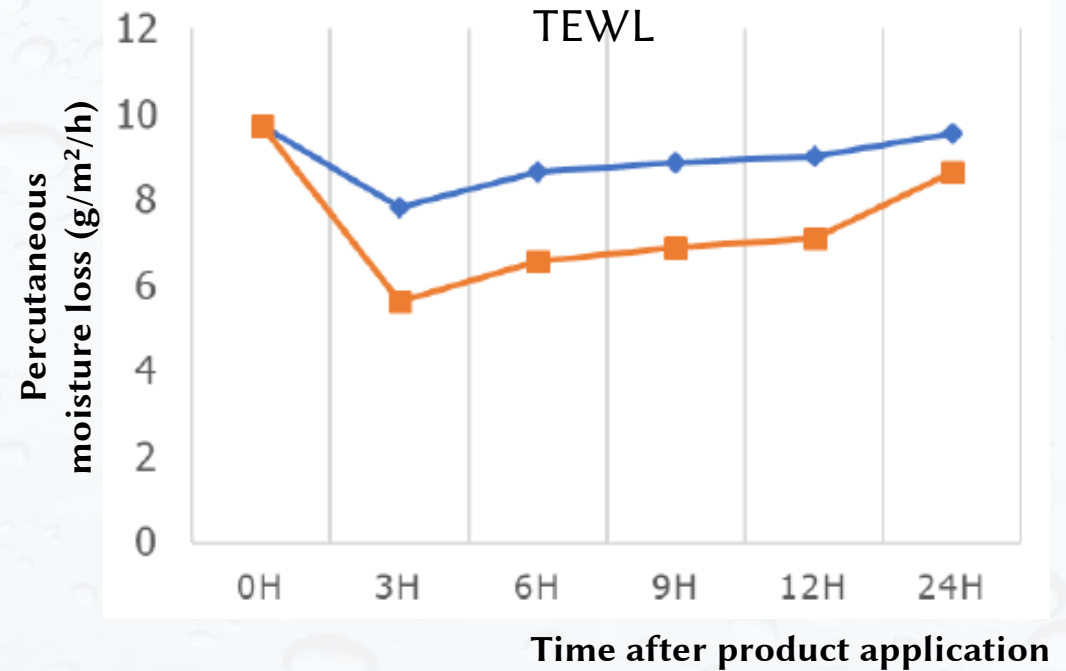
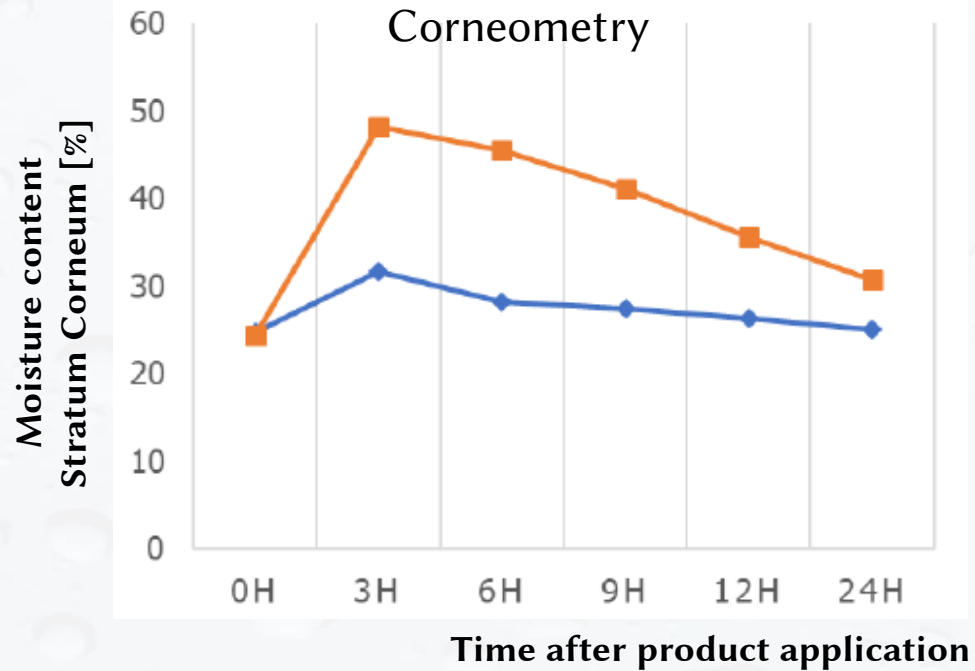


**Application:** Skin Care, Hair Care

\*Woźniak, B. *et al.*, Optimization of the Composition of a Cosmetic Formulation Containing *Tremella fuciformis* Extract (Fungi), *Cosmetics* **10**, 82 (2023).

Intensive moisturising

Moisture protecting film



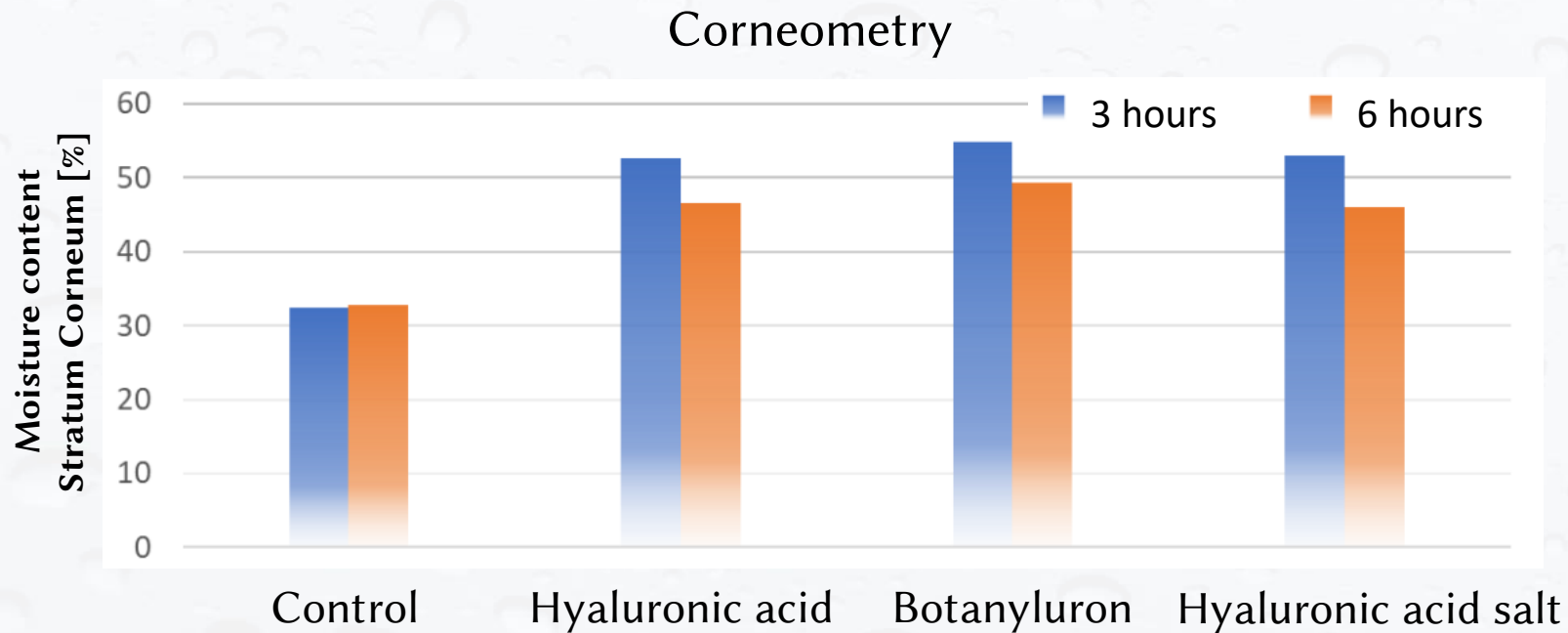
Increase of moisture content  
3 hours after product application:

- Botanyluron areas: + 97,1%
- Water control areas: + 27,8%

Reduction of percutaneous moisture loss  
3 hours after product application:

- Botanyluron areas: - 42,0%
- Water control areas: - 19,5%

Moisturising effect compared with hyaluronic acid



Study design: 24 female volunteers (25-45 years), measurement on the forearm (right/left), dosage of the comparative components: 0.1% each in aqueous solution, control measurements on untreated skin areas within the group of volunteers.

**INCI EU (CTFA/PCPC):** TREMELLA FUCIFORMIS SPOROCARP EXTRACT

**Additives, preservatives:** None

**Appearance:** White or almost white powder or granule

**Odour:** Characteristic

**CAS No:** 778577-37-0

**Shelf life:** 24 months in unopened container when stored properly

**Storage:** Dry, protected from light and cool (20 °C)

**Vegan:** The product is not of animal origin and does not come into contact with raw materials or products from animal sources during the manufacturing process.

<b>ISO 16128:</b>	Natural Index (NI): 1	Organic Index (OI): 0
	Natural Origin Index (NOI): 1	Organic Origin Index (OOI): 0

**Application:** Skin Care, Hair Care

**Formulation:** Water soluble, can be added directly to the water phase

**Recommended dosage:** 0.1-0.5%







GloryDermal

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