



Raya Hyaluron Tremella

INCI name: Tremella fuciformis sporocarp extract

Chemical description: Constituent sugar: Mannose, Xylose /
Glucuronic acid

Trade name: Raya Hyaluron Tremella (natural hyaluron)

CAS-No.: 778577-37-0

Application: Cosmetics - anti-oxidant, anti-aging /
skin feel improved /
thickening effect /
emulsification /
high effective moisturizing
(water retention and
water lock)

Packaging: in bottle and bag

Filling quantity: 100 g/bottle
500 g/bottle
1 kg /bag
5 kg/bag
Special packaging upon request

Shelf life: up to 2 years, not opened

Storage conditions: 2 – 10 °C, dry and cool place
avoid direct sunlight



Product Specification Raya Hyaluron Tremella

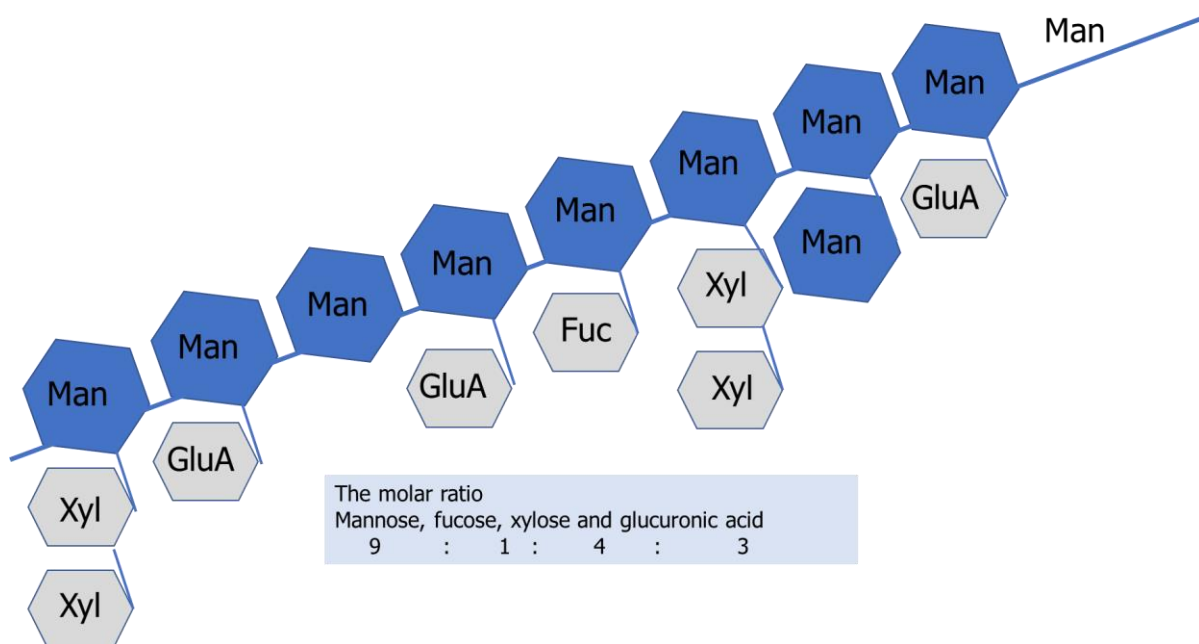
Test	Specification	201807141
Appearance	white to light yellow powder or granule	conforms
Odour	slight characteristic odour or odourless	conforms
Molish reaction	amaranth or peachblow	conforms
Assay of glucuronic acid	13.0 ~ 30 %	21.6 %
pH	5.5 ~ 8.0	7.0
Loss on drying	≤ 10.0 %	3.8 %
Residue on ignition	≤ 10.0 %	conforms
Molecular weight	> 1000 k Da	1280 k Da
Dynamic viscosity (0.5 % aq.sol., 25 °C 2/6 rpm)	> 1200 mPa.s	1560 mPa.s
Protein	< 0.1 %	0.04 %
Heavy metal (as Pb)	< 20 mg/kg	conforms
Bacteria counts	< 200 cfu/g	conforms
Molds & yeasts	< 100 cfu/g	conforms
Staphylococcus aureus	negative	negative
Pseudomonas aeruginosa	negative	negative

MORE INFORMATIONS

Raya Hyaluron Tremella is a new type of plant derived high efficiency humectant extracted from Fungus fuciformis . It is a kind of water soluble polymer, the average molecular weight is over one million Da, and the molecular structure backbone is Mannan made up by alpha (1-3) - glycosidic bond composition, and the branched chain by glucuronic acid, xylose and fucose . The active part is common structural part of alpha (1-3) - mannan.

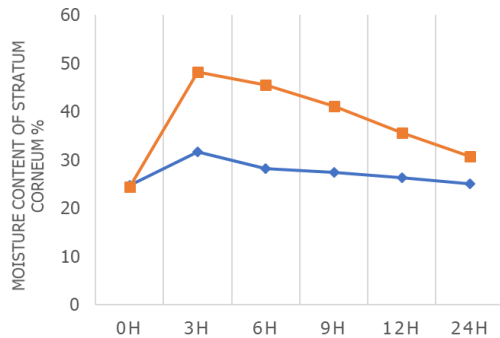


Chemical Structure of the white fungus extract

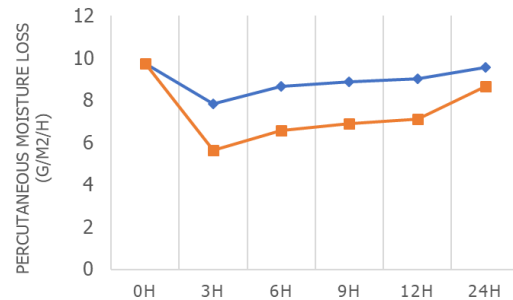


Efficacy - Efficient Moisturizing - (water retention)

Raya Hyaluron Tremella can significantly enhance the absorption of water in the skin cell, increase the moisture content of skin . Forms a layer of moisturizing protective film to reduce the moisture loss on the surface of the skin.



3h later after using, the moisture content increased as below:
Raya Hyaluron Tremella: Group: 97.1%
Water Control Group: 27.8%



3h later after using, the percutaneous moisture loss decreased as below:
Raya Hyaluron Tremella Group: 42.0%
Water Control Group: 19.5%

Efficacy

● Antioxidation and anti-aging

With the certain ability of scavenging superoxide radical and hydroxyl radical, it prevents skin from aging by inhibiting peroxidation, and promote skin regeneration by increasing the vitality of the skin cells. So Tremella helps to delay the skin aging and repaire damaged skin.

● Improve the skin feeling

Tremella is a kind of high molecular polymer, with good skin affinity and high viscosity. Lubricating effect is obvious after using the skin care products with Tremella added in, and the skin feels moist and smooth with no dry and tight feeling.

● Emulsifying impact

Tremella has a certain effect of emulsification. In the specific formula application, it replaces the partial emulsifier and reduces the actual consumption of emulsifier.

Product description

- ◆ Recommended dosage: 0.01%-0.5%
- ◆ Usage: soluble in water, can be directly added into the aqueous phase.
- ◆ Applications: especially for essence, mask, cream, lotion, toner and other cosmetics.

Feuchtigkeitseffekt (Corneometrie)

