



## Product Description

# Snail slime concentrated

Rev.: 03/02/2015

### APPLICATION

Snail slime concentrate is indicated for the treatment of the following cases:

- Skin regeneration. Indicated for the treatment of wounds, burns, hard skins that have been long exposed to UV radiation.
- Reduces wrinkles and conceals marks and scars.
- Stretch marks.
- Hides cellulite.

### DESCRIPTION

A snail (*Helix aspersa*) is a gastropod mollusc. When it moves it secretes mucus or slime that facilitates its movement. This secretion, when solidified, allows them to stay securely in one place, usually a vegetable, and also isolates them from unfavourable weather conditions.

The use of this slime has a long tradition in folk medicine. A series of investigations of the active components and their use in medicine and cosmetics have been conducted.

The snail slime concentrate is obtained from these gastropods after stimulating them and without killing them.

Finally, the slime obtained is put through a constant process of standardization of physical-chemical and microbiological control.

### COMPOSITION

It contains the following compounds:

- **Allantoin**, which facilitates rapid epithelisation (skin regeneration) as it promotes cell proliferation in skin areas that are superficially damaged or subjected to heavy wear or weather.
- **Vitamins** including vitamin A, C, E, and B.
- **Alpha-hydroxy acids** which reduce the thickness of hyperkeratotic *stratum corneum* thereby stimulating germination of the basal layer.



- **Minerals** and trace elements, especially calcium salts.
- **Mucopolysaccharides** highly moisturising. This is the lubricant that gives the snail its slippery look.

#### SCIENTIFIC SUPPORT

##### Testing actions on the skin

The smoothness, firmness and topography of little wrinkles have been evaluated.

The application of snail slime topically on the skin produces changes in skin condition following dermatological evaluation. The vast majority of volunteers treated scored results as very good.

##### Testing hydrating properties

In a trial, 20 people between the age of 40 and 65 with dry skin, were recruited to test the hydrating properties of slime snail. Half of the volunteers were given a placebo cream and the other the same cream containing 20% of snail concentrated.

They applied the cream twice a day over their entire face, in the morning and in the evening for 2 months. Skin condition in all treated volunteers was examined at 4 and 8 weeks.

In the placebo group, improvement reached 3.1% at 4 weeks and 6.4% at 8 weeks. While in the cream treated group the level of hydration increased by 19.6% the first month and up to 25.5% by the end of the trial.

#### RECOMMENDED QUANTITY

To use the slime snail, a concentration between 5 and 25% of snail in cosmetic products is recommended. It is advisable to incorporate in cosmetic at temperatures below 45°, pH between 3.5 - 7.5 and not to add to preparations containing cationic surfactants.

#### INCI NOMENCLATURE

HELIX ASPERA, PROPYLENEGLYCOL, SODIUM CHONDROITIN SULFATE ALLANTOIN, COLLAGEN, GLYCOLIC ACID, LACTIC ACID, RETINYL PALMITATE (Vitamin A) TOCOPHERYL ACETATE (vitamin E) THIAMINE HCL (vitamin B1) PYRIDOXINE (Vitamin B6) MINERALS (Cu, Fe, K, Mg, Mn, Zn) CYANOCOBALAMIN (Vitamin B12) ASCORBIC ACID (Vitamin C) RIBOFLAVIN (vitamin B2) IMIDAZOLIDINYL UREA, METHYLPARABEN, PROPYLPARABEN.

#### INFORMATION FOR PROFESSIONAL USE ONLY