



INCI Name: Snail Secretion Filtrate

Active ingredient rich in **allantoin, elastin, collagen, glycolic acid, vitamins and essential amino acids** with **moisturizing, exfoliant and healing properties**.

Produced in Italy, in Gale & Cosm breeding farm with bio certification.

The product Galeslime® is **COSMOS** approved.



SNAIL SLIME IN SKINCARE

Snail slime is known as skin treatment since the time of the Ancient Greeks; for centuries snails have been used both as a food and as a treatment for a variety of medical conditions (minor wounds and warts). The potential of snail slime was noted by Chilean snail farmers who found that **skin lesions healed quickly, with no scars**, when they handled snails for the French food market. Edible land snails have long been farmed in France as escargots, but **Italy is now the country where snail farming has increased** more than 325 per cent over the past two decades. In recent months, demand for slime from cosmetics makers has soared because of its **outstanding efficacy**.

SNAIL SLIME PROPERTIES

Allantoin: healing, antioxidant

Collagen and elastin: elasticity and firmness

Proteins: nourishment and oxygenation

Glycolic Acid: exfoliation, cellular renewal, brightness

Vitamin A: Hydration

Vitamin E & C: free radical scavenging, protection

GALE & COSM CERTIFIED BREEDING FARM

Gale & Cosm snail breeding farm is located on a **vacant territory in Italy** and has a total surface of 5000 square meters. The breeding takes place exclusively in **outdoor terrain** without coverings and without the use of protective structures. The snails are fed with selected, rich and varied plants (**non-GMO**), for a **natural and complete nourishment**.



Slime quality depends on environmental conditions, on the quality of food they eat, how they are kept and how the slime is extracted.

CRUELTY-FREE METHOD

Gale & Cosm snail breeding farm applies a **gentle and no-stress manual method for slime extraction**. The snails are collected, put in basins, cleaned with fresh water and disinfected. The slime production is stimulated by "making them angry", by washing and shaking them. The procedure takes only a few minutes, after which the animals are immediately washed carefully and put in their enclosures again. The slime is collected, filtrated and microfiltered with appropriate machinery, to eliminate any type of impurities. The entire process takes place in a laboratory respectful of the hygiene rules imposed by the U.S.L. (Local Health Unit). No chemicals are used during the extraction process and no cruelty occur to snails.





SKINCARE EFFICACY

In Vitro test on snail filtrate has demonstrated the following efficacy:

ANTI OXIDANT ACTIVITY and **CELL RENEWAL**
MMP-1 and MMP-2 inhibition: tissue damage is limited, thanks to the demaging action of MMP on physiological proteins, and skin renewal is enhanced.

In Vivo test (by Gale & Cosm) showed:
HYDRATION ENHANCEMENT proved by
TEWL ENHANCEMENT (test available)

PROPERTIES & CLAIMS

- Skin hydrating and well-being
- Exfoliant, renewing, brightening
- Nourishing
- Oxygenating
- Healing, anti acne
- Scar attenuating
- Elasticity and tonicity
- Wrinkles attenuation
- Age preventing

TECHNICAL CHARACTERISTICS

ASPECT	Clear liquid to opalescent
COLOUR	From light yellow to amber* *The color varies according to the feeding given to snails
ODOUR	Characteristic
pH	from 3 to 6
DENSITY (g/L):	From 1,02 to 1,15
REFRACTION INDEX	From 1,3405 to 1,3505
SOLUBILITY	Completely water soluble. Insoluble in vegetal oils. Dispersable in O/W dispersions. Limited compatibility with ethilic alcohol.
GLYCOLIC ACID	>2g/L

HEALING CREAM

PHASE	INCI NAME	% Wt
A	Aqua	To 100
A	Microcrystalline Cellulose, Cellulose Gum	2,0
A	Glycerin	1,0
A	Snail Secretion Filtrate (GALESLIME®)	5,0
B	Cera Alba	2,0
B	Polyglyceryl-3 Cetyl Ether Olivatate/Succinate	5,0
B	Prunus Amygdalus Dulcis Oil (Sweet Almond) Oil	1,0
B	Dicaprylyl Ether	3,0
B	Butyrospermum Parkii (Shea) Butter	2,0
B	Pseudozyma Epicola/Camellia Sinensis Seed Oil/Glucose/Yeast Extract Ferment Filtrate	1,0
B	Octyldodecanol	3,0
C	Preservative	a.n.
D	Parfum	a.n.

Method: Dissolve the ingredients at 70° (phase A and phase B) and mix together (SILVERSON) at 3500 rpm for 15-20 min. Add phase C at 40 °C. Add phase D at 35 °C.