



**HELISKIN**  
Your valuable snail extracts for cosmetics

**sotecna**  
we bring nature to you



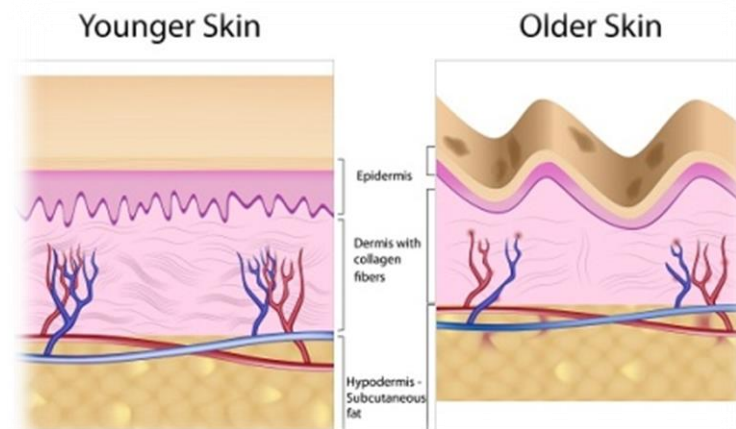
The extract of *Helix pomatia* is a well-known natural skin care complex that has been used in traditional pharmacopoeias since the Antiquity. As a source of natural Allantoin, Glycolic acid, Glycosaminoglycans, Proteoglycans, Elastin & Collagen, **HELISKIN** acts as a powerful moisturizer and anti-oxidant which protect, regenerate and repair skin tissues. These properties set **HELISKIN** as a high quality ingredient for your innovative cosmetics.





# Benefits of Heliskin

- Reduces scars and imperfections, removes damaged cells
- Nourishes and moisturizes the skin
- Helps to maintain the natural elasticity and density of the skin
- Improves moisture retention capacity of the skin and prevents dryness
- Helps to promote natural healing process
- Treats acne, stretch marks and scars
- Anti-aging, reduces fine facial lines and wrinkles





## Our Products

With our liquid or powder products, we have the perfect natural ingredient for all your cosmetics.

All our range of products is **Paraben Free**

**HELISKIN LG500** This liquid formulation is the ideal ingredient for the formulation of your lotion, cream or gel.

- Packaging: 10kg / 25kg drums
- Shelf life: 1 year

**HELISKIN PM2500** This powder form cosmetic ingredient is highly concentrated and very stable, allowing you to develop innovative formulations.

- Packaging: 1kg vacuum bag
- Shelf life: 3 years



## Formulation

**HELISKIN LG500** can be used in a wide range of concentration in final formulation: from 1 to 80%.

It's stability and harmlessness allow the use in many kind of final product: gel, cream, for body, face,...

### Concentration:

**HELISKIN LG500** is highly concentrated in Allantoin: from 0,5 to 1 mg/ml.


As a biological product, the concentration might vary from batch to batch



# Dermatologically tested

## Evaluation of the skin irritant potential

- SkinEthic method according to OCDE 439
- Study performed the 06th nov. 2012
- Test item: Heliskin (pure Snail secretion filtrate)

Sample	Mean score	Viability (%)	Conclusion
Negative control	1,935	100,0 %	
Positive control	0,040	2,1%	
	1,941	100,0%	Non Irritant

Conclusion: Heliskin has shown it's safety with 100% viability of the skin's cells, and therefore must not be classified according CE 1272/2008.






# Dermatologically tested

## Evaluation of the ocular irritant potential

- HET-CAM method v6.02
- Study performed the 22th Oct. 2012
- Test item: Heliskin (pure Snail secretion filtrate)

Classification	Result	Control
Practically non irritant		Negative control
Slightly irritant		
Moderately irritant		
Irritant		Positive control

Conclusion: Our pure Snail secretion filtrat is slightly irritant for the eyes, which could be assimilated to a negative control result.



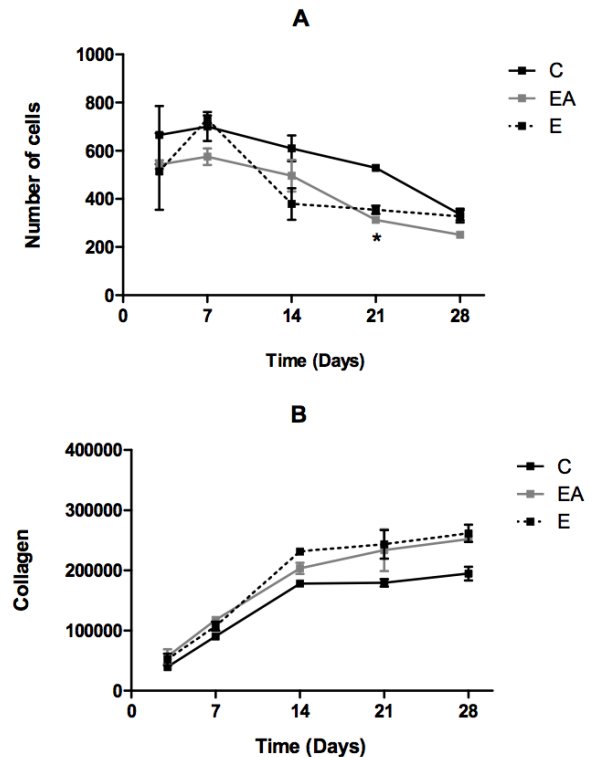


# Allantoin

## Wound healing process improved by Allantoin

Ulhôa Araujo L. et al., 2010, *Profile of wound healing process induced by Allantoin*. Acta Cirurgica Brasileira. Vol. 25 (5) 460-466.

« This work show, for the first time, the histological wound healing profile induced by Allantoin in rats, and demonstrated that it is able to ameliorate and fasten the reestablishment of the normal skin. »



**FIGURE 5** - Kinetics of inflammatory process (A) and collagen neoformation (B) in the rat's skin not treated (C) and treated with soft lotion O/W emulsion containing (EA) or not (E) allantoin. Results were expressed as mean  $\pm$  S.E.M. (\* $p \leq 0.05$ ).

## Glycolic acid

### Moisturizing effects and skin treatment by Glycolic Acid.

Green et al., 2009, *Clinical and cosmeceutical uses of hydroxyacids*. Clinics in Dermatology. Vol. 27, 495-501



**Fig. 1** Face of a 24-year-old woman with acne at (left) baseline and (right) after three peels administered during a 2-month period. Peels consisted of 20% mandelic acid plus 10% citric acid booster peels, followed by application of free acid glycolic acid peel solutions of 20%, 50%, and 70%, respectively.

« The  $\alpha$ -hydroxyacids (glycolic acid) remain timeless in their ability to modulate skin structure and performance, providing both clinical and cosmetic benefits to skin »





## Contact

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