




# BIOPEEL

*Fast corneo-lisy action*



NOT TESTED ON ANIMALS / NON TESTATO SU ANIMALI

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 BioPeel

*Fast corneo-lisy action*  
*Ad azione corneolitica*  
professional

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# BIOPEEL

*The Natural Source for AHAs*



**Biopeel** is a concentrated blend of five botanical extracts: bilberry, sugar cane, sugar maple, orange, and lemon.



*Biopeel meets the standards for ecological and organic cosmetics according to ECOCERT ([www.ecocert.com](http://www.ecocert.com)).*

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## Several naturally occurring A-HA

Alpha hydroxy acids have been shown to promote smoother, younger looking skin by increasing the rate of cell renewal.



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## Exhaustive extraction process

It is a natural product it will contain a wide variety of residual natural substances, such as cellulose, carbohydrates, proteins, water soluble vitamins and minerals.



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The extracts are blended at the following percentages

- Bilberry 57.00%
- Sugar Cane 24.00%
- Sugar Maple 3.00%
- Orange 8.00%
- Lemon 8.00%



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## At complete process

- Lactic Acid 28-32%
- Glycolic Acid 12-17%
- Citric Acid 2-6%
- Malic Acid 1% max
- Tartaric Acid 1% max



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## Effects

Glycolic acid exhibits the most keratolytic ability of any of the AHAs. Citric acid, when topically applied, stimulates collagen synthesis. Both tartaric and malic acid boost skin elasticity. Lactic acid is a highly effective moisturizer



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## Natural Vs Synthetic Alpha Hydroxy Acids

With the advent of **Bipeel**, it seems that we have combined natural purity with excellent activity. While AHAs have a potential to be irritating to skin, they also effectively stimulate cell renewal. **Biopeel** surpasses the activity of the synthetic lactic and glycolic acids. In **Biopeel**, we have maximized the ability to stimulate cell renewal, while minimizing the potential for irritation.



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## Efficacy Studies Dansyl Chloride Staining



**Biopeel** was evaluated in both aqueous solutions (10%) and in a commercially available cosmetic cream (4%), via a dansyl chloride cell renewal protocol. Panelists were patched for 24 hours with 5% dansyl chloride in a petrolatum base. All subjects were examined on Day One with quartz mineral UV lamps (long and short wave) to ensure that the fluorescent stain had been taken up by the stratum corneum layers. Test materials were then applied to sites on the volar forearm. At a 10% dilution, **Biopeel** produced a 34% increase in cell renewal when compared to the untreated control site. Accordingly, there was a 143% increase in the number of squames generated. Evaluated at 4% in a commercial cream, **Biopeel** increased cell turnover by 20% relative to the control formulation. This data collectively, correlates with **Biopeel** ability to stimulate cell renewal.

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## Key Product Attributes

- Natural source of AHAs from botanical extracts
- Maximum efficacy with minimum irritancy
- 55% active at a pH ~ 4.0
- Promotes healthy scalp (cell renewal)
- Promotes skin radiance



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Thanks for  
your choice

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