

# vanistryl<sup>®</sup>

functional ingredient



A novel complex to get rid of stretch marks once and for all

## Decrease of erythema



### Description

A combination of several active ingredients incorporated in a new Lipotec's delivery system that acts by different mechanisms to treat stretch marks already formed and also to prevent the appearance of new ones.

### Appearance

Translucent gel containing:

1.87% Pseudoalteromonas Ferment Extract

0.025% Acetyl Tripeptide-30 Citrulline

0.01% Pentapeptide-18

### INCI

Water (Aqua), Caprylyl/Capryl Glucoside, Lecithin, Glycerin, Pseudoalteromonas Ferment Extract, Acetyl Tripeptide-30 Citrulline, Pentapeptide-18, Xanthan Gum, Phenoxyethanol, Caprylyl Glycol, Potassium Sorbate.

Paraben free.

### Properties

vanistryl<sup>®</sup> functional ingredient tackles effectively the different mechanisms involved in the stretch marks formation: protects connective tissue from degradation, helps to reconstruct ECM components, provides a wound healing effect and reduces skin tension. The overall effect is translated into a visible attenuation of old and recent stretch marks *in vivo*.

## Increase in skin elasticity

### Science

Stretch marks are a common disfiguring condition associated with continuous and progressive stretching of the skin. Their dimensions vary between 2 and 10 mm in width and some cm in length and are characterised by linear, smooth bands of atrophic-appearing skin that are reddish at first and finally white. Collagen and elastin are significantly reduced in striae and the dermal matrix appears looser and more floccular. Stretch marks appear as a result of multifactorial process that vanistryl<sup>®</sup> functional ingredient tackles effectively. It inhibits the degradation of the extracellular matrix components (ECM), reduces tension in the dermis and furthermore thanks to its healing properties helps to regenerate the dermal components, thus giving the integrity and elasticity that skin needs to recover. The ingredients of vanistryl<sup>®</sup> functional ingredient are encapsulated into a mixed micellar system which is reconstituted into liposomes by water dilution in the stratum corneum, improving the penetration of these actives.

### Applications

vanistryl<sup>®</sup> functional ingredient can be incorporated in cosmetic formulations such as emulsions, creams, gels where attenuation of old and/or recent stretch marks is desired. It is also suitable for preventive treatments.

**Solubility** Water soluble.

**Dosage** 5%

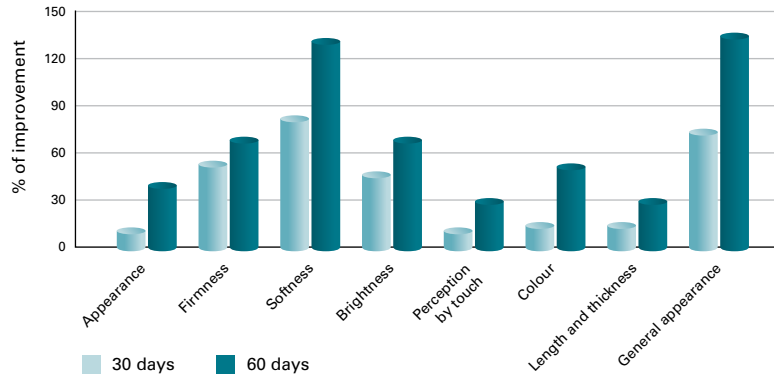


## 1. REDUCTION OF STRETCH MARKS

A group of 12 female volunteers with clinically assessed recent stretch marks. A cream containing 5% **vanistryl® functional ingredient** was applied twice daily on one stretch mark area and a placebo cream on another area of stretch marks, for 60 days.

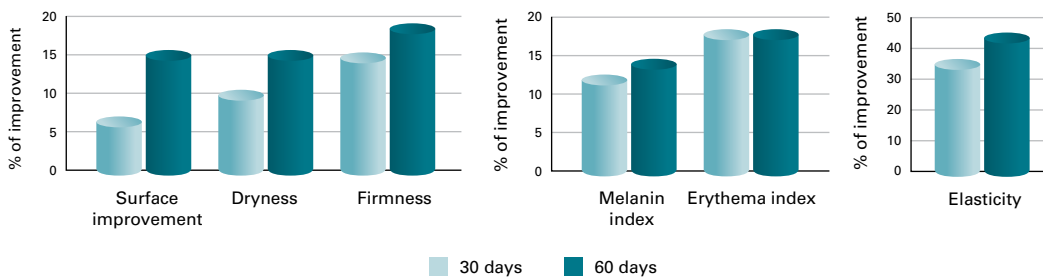
### • Clinical evaluation

A dermatologist scored 1 (worst) to 5 (best) some relevant parameters at each point, after 30 and 60 days of application.



### • Instrumental assessments

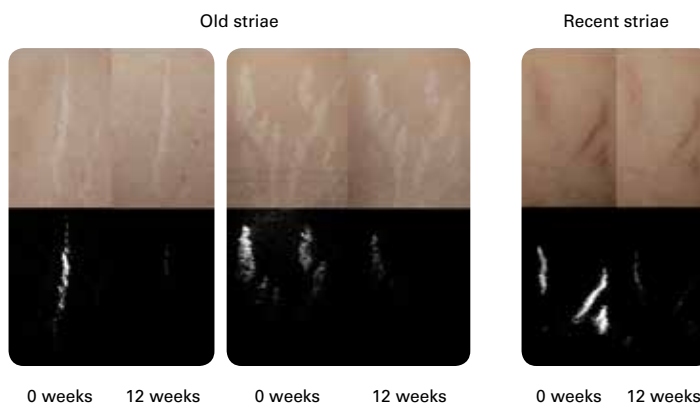
The images of skin surface were captured with a UVA-light video camera, the melanin and erythema index were measured with a narrow-band reflectance meter, and the skin elasticity was determined with an elastometer.



## 2. EFFICACY AGAINST OLD AND RECENT STRIAE

A panel of 30 volunteers with old and recent striae applied a cream\* containing 5% **vanistryl® functional ingredient** twice a day. A trained clinical evaluator visually graded the width, length, and colour of the striae.

In addition, high resolution matched digital photographs were taken on a subset of three subjects from within the panel at the beginning and at the end of the test.



All volunteers indicated improvement in all the parameters after 60 days of treatment



Skin surface, colour and elasticity notably improved  
18% decrease of erythema and 44% increase in elasticity.



Excellent efficacy against old and recent stretch marks  
Improvements in length (58%), width (66%) and colour (75%) at 12 weeks.



Old striae improved by 94% and 90%, and recent striae by 92%

\*Test performed with a customer's formulation.

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