

# vanistryl®

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, Caprylyl Glycol, Potassium Sorbate, Phenoxyethanol.

Paraben free.

### Properties

vanistryl® 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 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 10mm 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® 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® 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® can be incorporated in cosmetic formulations such as emulsions, creams, gels where attenuation of stretch marks is desired. It is also suitable for preventive treatments.

**Solubility** Water soluble.

**Dosage** 5%



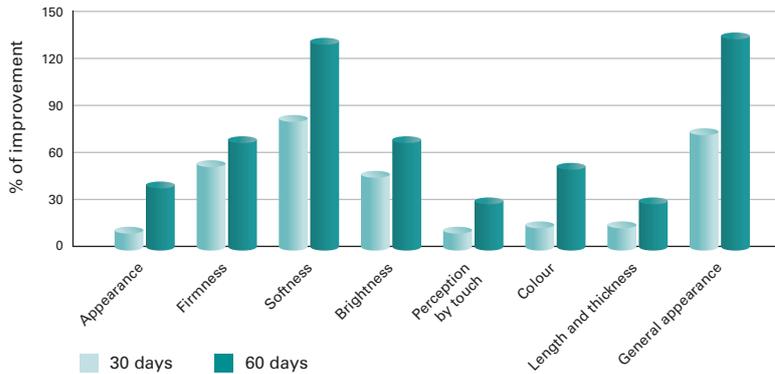
# In vivo efficacy

## REDUCTION OF STRETCH MARKS

A group of 12 female volunteers with clinically assessed recent stretch marks. A cream containing 5% vanistryl® 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.

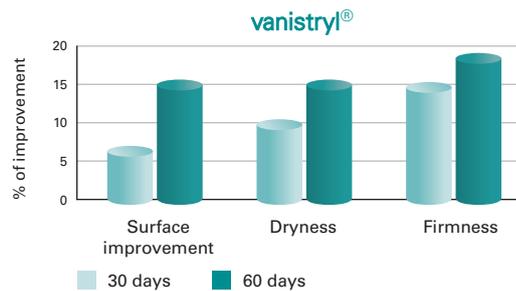


All parameters were improved by 100% of the volunteers after 60 days of treatment with a cream containing 5% vanistryl®

### • Instrumental assessments

#### a) Skin surface

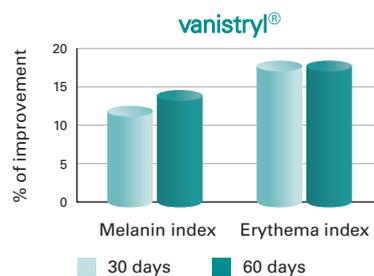
The images of skin surface were captured by means of the Visioscan VC 98, and were subsequently analysed.



The skin surface, dryness and firmness improved significantly in all volunteers

#### b) Colour

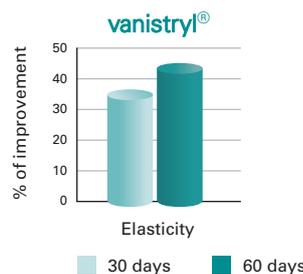
The melanin and erythema index were measured with the Mexameter MX18.



18% decrease of erythema  
The colour of the stretch marks improved in 75% of the volunteers.

#### c) Skin elasticity

Skin elasticity was measured with the Soft MiniThree instrument.



44% increase in skin elasticity after 60 days of treatment