

# An open label, prospective, clinical study to evaluate the antiaging effects and the safety of a novel cosmetic facial day cream.

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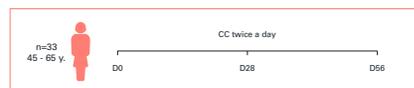
## INTRODUCTION

Skin aging is a complex biological process influenced by a combination of intrinsic and extrinsic factors determining both photo and chronological aging.

The aim of this study was to evaluate both objective and subjective efficacy measurements at D28 and D56 of the new cosmetic cream (CC) containing Carnosine, palmitoyl oligopeptide, palmitoyl tetrapeptide-7, an innovative Alteromonas Ferment Extract (AFE) and Hyaluronic Acid (HA). The tolerance of the CC was recorded along the study.

## METHODS

### Open, intra-individual study



### Efficacy on firming and contouring effects

FaceScan®	Face volume
VISIA® (photographs analysis)	3D analysis software
Dynaskin® DermaTOP®	Skin firmness
Cutometer®	Skin biomechanical properties

### Subjective efficacy and organoleptic properties

Questionnaires: Statistical analysis was performed to determine the variations obtained under the effect of the CC by a paired samples t-test.

## RESULTS

At D56, there was a significant decrease of the ptosis volume (Figure 1 and 2). This effect was measured in 82% of the subjects.

At D56 the surface of the skin was smoother ( $p=0.028$ ) (Figure 3) and a reduction of the skin deformation ( $p<0.001$ ) was observed which confirmed the firming effect of the product (Figures 4 and 5).

At D28 and D56 skin elasticity significantly improved in 54% ( $p=0.008$ ) and 83% ( $p<0.001$ ) of the subjects, respectively (Figure 6).

Assessment of skin complexion on VISIA® at D56 showed a reduction of 6% ( $p=0.010$ ) of spots (brown or red skin lesions, including freckles, hyperpigmentation and vascular lesions) which contributed of improvement of skin even (Figure 7). Subjects reported their satisfaction on perceived efficacy and organoleptic properties of the products (Figure 8).

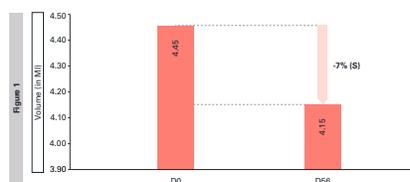


Figure 1. Remodeling effect: decrease in the average volume of the ptosis (SI)  $p<0.001$

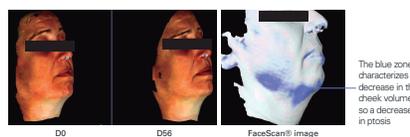


Figure 2. 7% decrease of ptosis volume after 56 days of use

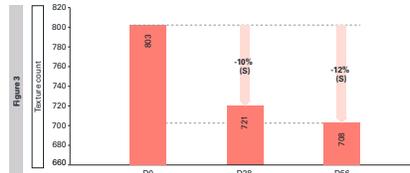


Figure 3. Improvement in the skin texture: decrease in the texture count (SI)  $p<0.001$

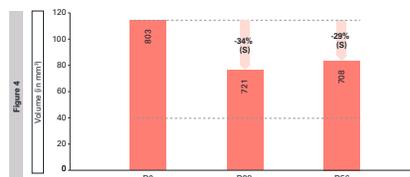


Figure 4 and 5. Firming effect: decrease in the average volume of the skin deformation (SI)  $p<0.001$

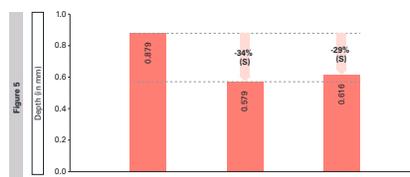


Figure 4 and 5. Firming effect: decrease in the average volume of the skin deformation (SI)  $p<0.001$

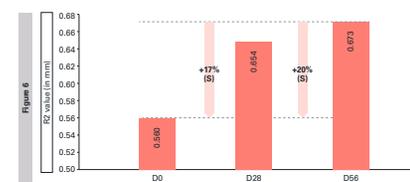


Figure 6. Elasticity: increase in the R2 (total recovery of the initial state/final deformation) parameter (SI)  $p<0.001$

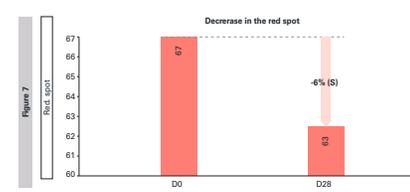


Figure 7. Less red skin after 56 days. Significant decrease in the red spot, (SI)  $p<0.001$

### Product efficacy by self-evaluation questionnaire

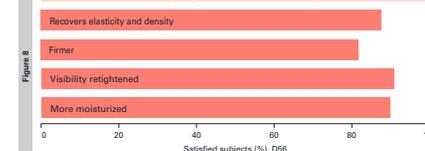


Figure 8. Product efficacy by self-evaluation questionnaire.

## CONCLUSIONS

The data demonstrated that the novel cosmetic facial cream has significant anti-aging effects. After 56 days of use, there were demonstrated improvements of skin firmness, moisturization, and elasticity. These improvements contributed to the overall refining effect on the facial contour and an improvement of skin complexion. The safety and tolerance of the product were good. No adverse event was reported.

## REFERENCIAS:

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Dobrev H. Use of Cutometer to assess epidermal hydration. Skin Res Technol. 2000 Nov;6(4):239-244.