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Analisi Biologiche e Chimiche  
Tossicologia, Ricerche e Servizi

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## **ANTI-WRINKLE EFFICACY STUDY ON A COSMETIC TREATMENT**

Extract from study program Biolab SAM3464, of the 10/16/2006

### **Customer:**

Laboratoire Dr Paul & Karin Herzog SA  
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### **Tested products :**

*Karin Herzog Professional Cleansing Cream*  
*Karin Herzog Vit-A-Kombi 2*  
*Karin Herzog Vitamin H*  
*Karin Herzog Vit-A-Kombi Facial Oil*

### **Charged assay center:**

Biolab S.p.A., via B. Buozzi 2,  
20090 Vimodrone (Milan) Italy  
Pho ++39 (0)2250715.1  
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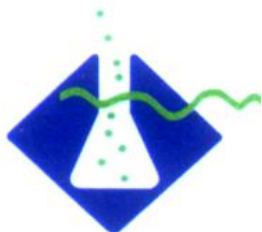
The study was performed on 20 healthy volunteers, aged 30-55, in accordance with the Helsinki Declaration and with ICH GCP guidelines.  
Application: face and volar forearms, for 30 days.

**Date and Author** : Verbania, 26 September 2008.  
**Rev.:** 01 of the 30 April 2010

Dr. Elena Bocchietto

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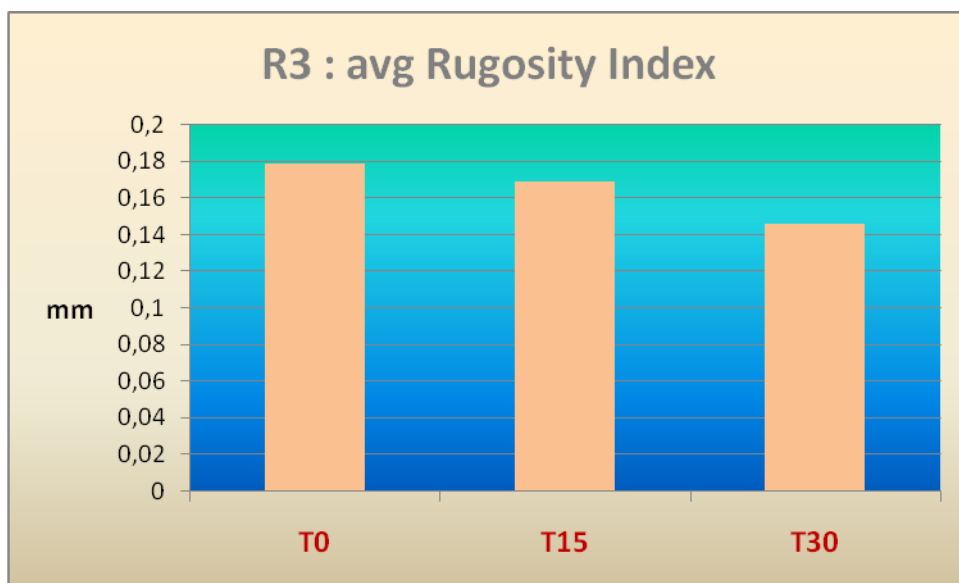
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## RESULTS

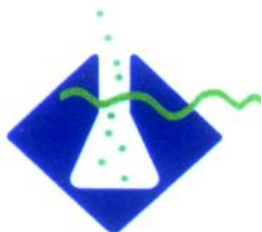
### **Profilometry and Skin average Rugosity index (R3)**

The skin wrinkles depth has been investigated through profilometry and Skin Visiometer®.



In the graph above we can see the average reduction measured in mm of the skin wrinkles after 15 days (T15) and 30 days (T30) respect to the beginning of the experiment (T0).

The mean wrinkle depth reduction (-14%) at T30 is highly significant ( $p < 0,00005$ )  
The highest wrinkle depth reduction was of 24% among the people who undertook the trial.



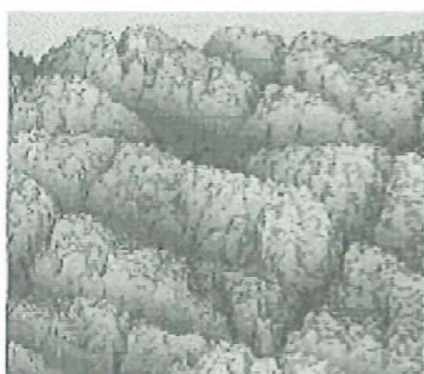
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The pictures below, representing enlarged images of the skin replicas, are an example of the skin appearance before and after the treatment, on the same volunteer, on the same skin spot.

Before the treatment (T0):

#### **Appendix 1: 3D elaboration of skin profilometry (vol. ML34, t0)**

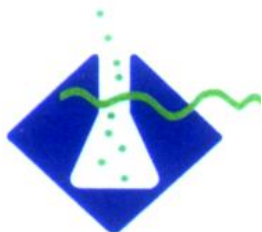


At the end of the treatment (T30):

#### **Appendix 2: 3D elaboration of skin profilometry (vol. ML34, t30)**

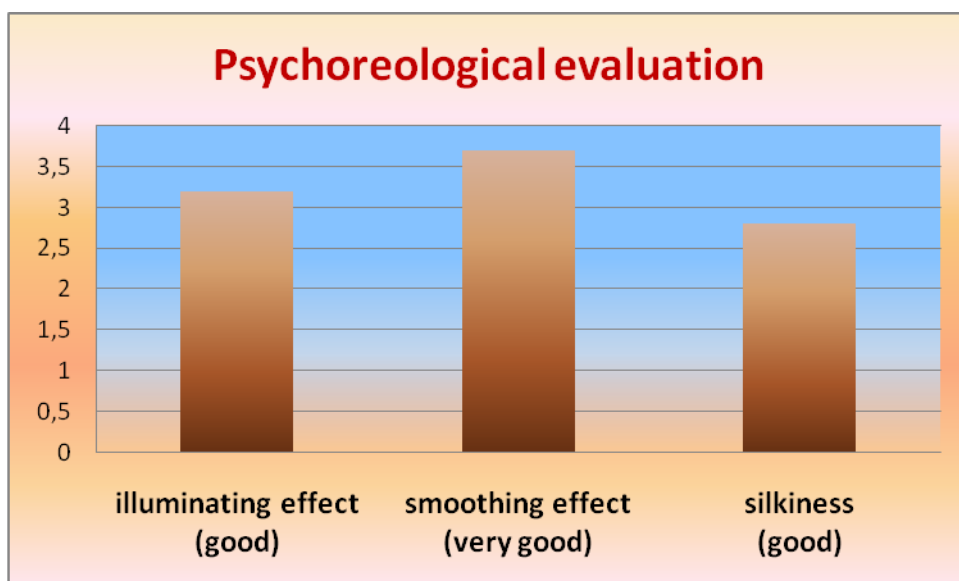


We can clearly observe an outstanding reduction of the wrinkles depth.



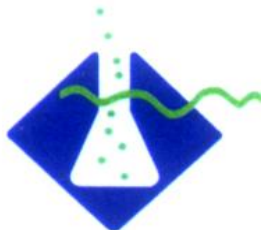
## **Psychoreological evaluation**

The treatment was also capable to improve skin smoothness at the maximum level, and to highly improve skin light and skin silkiness, as resulted from the volunteers examination at the end of the investigation (see the graph below):



Legenda:

3,5-4	very good
2,6-3,5	good
1,6-2,5	fairish
0,6-1,5	tolerable
<0,5	untolerable



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## **CONCLUSION**

The Karin Herzog treatment was able to decrease significantly the skin wrinkles depth and to make wrinkles less visible under normal light. Besides, it was able to highly improve skin smoothness, silkiness and brightness.

More specifically, wrinkle depth was decreased by as much as 24%, where 24% is the biggest decrease in the people who did the trial. The mean wrinkle reduction was of 14%.

We can therefore safely say that the above described Karin Herzog Treatment can decrease wrinkles by up to 24%