

Biolab



Assay Centre

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Final Report SAM3467i

**EFFICACY STUDY OF A COSMETIC PRODUCT
WITH SKIN HYDRATING EFFECT
- short term test -**

Study program nr.: SAM3467

Contract n.: M06/1359.1MI

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Test substance: KARIN HERZOG VITA A KOMBI 2 DAY &
NIGHT FACE CREAM

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Date: *16/10/08*

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SUMMARY

On the test substance
KARIN HERZOG VITA A KOMBI 2 DAY & NIGHT FACE CREAM, a skin hydrating efficacy study under in-use conditions has been performed. A panel of ten volunteers was used. The hydrating effect was evaluated instrumentally throughout a Corneometer®, which measures with high sensibility the modification of the water content of the upper layer of the epidermis. Observations were taken at the volar surface of the forearm, immediately before (t_0), one hour (t_1), two hours (t_2), four hours (t_4) after the application of the test substance. The contra-lateral part of the body (volar surface of the non-treated arm) was used as a negative control during the test. Skin smoothness was evaluated throughout direct observation and through the camera attached to Monitor Microscope (200X). Furthermore, volunteers were supplied with a form to be filled with their subjective and psychoreological evaluations.

In order to further investigate the hydrating attitude of the test substance, the TEWL (transepidermal water loss) levels of the treated versus non-treated area of the volunteers was also determined at the same observation times, throughout Tewameter®. Decrease of TEWL values in resting conditions generally indicates higher water retention in the upper part of the epidermis.

Measurement of pH on the tested zone was also performed in order to control that the test substance didn't alter substantially the lipoproteic structure of the skin surface.

After evaluation of the results obtained in this experimentation, the test substance can be considered capable to improve the skin surface hydration for at least 4 hours after application.

We can therefore assess that the test substance

KARIN HERZOG VITA A KOMBI 2 DAY & NIGHT FACE CREAM

is **EFFECTIVE** as a skin hydrating cosmetic product under the adopted experimental conditions.