

ASEA®

RENUAdvanced®

Hydrating Cream Research Assessment



Dermatest: The 5-star seal



The 5-star seal applies to the Original Dermatest® premium

sector. Studies with this distinction go beyond determining the potential for skin irritation. Among other things, application over four weeks can usually rule out the potential for skin sensitivity. Complex time planning and test subjects who are specially selected for the requirements of particular tests are just as much part of the standard as the measurement of various physiological skin parameters. The efficacy, safety in use, and tolerability of a product are investigated and monitored for longer. Tests are conducted on the intended site of application: Eye cream, for example, is investigated directly on the eyes and eyelids.



Introduction

Dermatest® provided dermatological expertise during a four-week clinical-dermatological study, which examined the effects and tolerance of RENUAdvanced® Hydrating Cream on human skin. The study included a final questionnaire and digital recording/analysis using the VISIA® system to determine skin moisture, elasticity, and single wrinkle depth.

Human skin is the largest and functionally most versatile human organ. It covers the body's entire surface and separates it from the external environment. The skin consists of three layers: epidermis (top skin layer), dermis (middle skin layer), and hypodermis (bottom or fatty skin layer). The epidermis, in turn, is composed of five layers and consists of 90% keratinocytes. From outside to inside, the superimposed layers are: *Stratum corneum*, *Stratum lucidum*, *Stratum granulosum*, *Stratum spinosum*, and *Stratum basale*.

For this study, RENUAdvanced® Hydrating Cream was applied over

a prolonged period on the intended application area. Inclusion and exclusion criteria of the subjects were adapted to the target group as far as possible. Before each testing, the risk of all ingredients in RENUAdvanced® Hydrating Cream was assessed. Dermatest systematically analyzed all available information to identify potential hazards and avert risks.

Methods

To minimize fluctuations caused by external influences, such as room temperature and relative humidity, all measurements were always carried out at the same physical ambient conditions in rested status ($\approx 20^{\circ}\text{C}$, humidity 40 – 60%).

The 20 study participants were females aged 40 and older, selected according to specified inclusion and exclusion criteria. All subjects were selected from the subject database or recruited via flyers, social networks, and newspapers.

Summarized from a third-party professional assessment performed in accordance with standard operating procedures of the organization.

We power potential™

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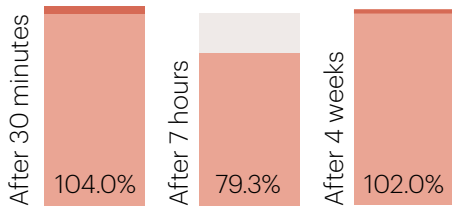
Results

The examinations were carried out according to clinical-dermatological evaluation criteria. All participants of the study showed healthy skin in the test area before, during, and after the application study. No pathological skin lesions were found in any form. The product was very well tolerated, and it did not lead to dermatologically relevant skin changes in any subject.

Conclusion

RENUAdvanced® Hydrating Cream was applied twice a day onto the face over a period of four weeks by 20 subjects. From a clinical-dermatological perspective, no relevant skin reactions arose and the product was tolerated very well. Neither intolerance reactions in terms of skin irritation or allergic reactions (contact dermatitis) were detected.

Skin moisture improvement



Additional visible improvements noted by subjects

- Wrinkle appearance improved by 8.8%
- Spot appearance improved by 9.3%
- Roughness appearance improved by 28.1%

Following the study's conclusion, 85% of subjects answered that they would buy RENUAdvanced® Hydrating Cream and 90% would recommend the skin care product to friends and family.