



NOP ORGANIC RICE SOLUTION MOISTURIZATION STUDY

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Purpose

Different mechanisms are frequently employed to improve epidermal moisturization, a fairly common method utilizes a combination of humectants and conditioners to hydrate and moisturize the skin. Impedance measurement is typically used to determine changes in relative hydration levels on the skin.

Summary of Test Method

5 (m/f) subjects between the ages of 24 and 45 were used to determine moisturization improvements using NOP Organic Rice Solution. The hydrating properties of this solution were compared to that of the placebo and an untreated test area. 5% NOP Organic Rice Solution was formulated into the test lotion. The DPM 9003 and XPRT Software purchased from NOVA Technology Corporation were used to obtain and analyze the initial stratum corneum hydration values on the volar forearm of each subject. The products used in the study were applied twice daily for 21 days. Impedance measurements were taken of each test site on days 0, 7, 14 & 21. Subjects followed standard dry down protocols prior to the onset of the study and abstained from using other products on the test sites for the duration of the study.

Results

% Improvement	Compared to Placebo	Compared to Untreated
Week 1	8.65	8.29
Week 2	5.82	9.11
Week 3	6.35	7.49
Mean	6.94	8.30

Table 1. Mean moisturization results following treatment.



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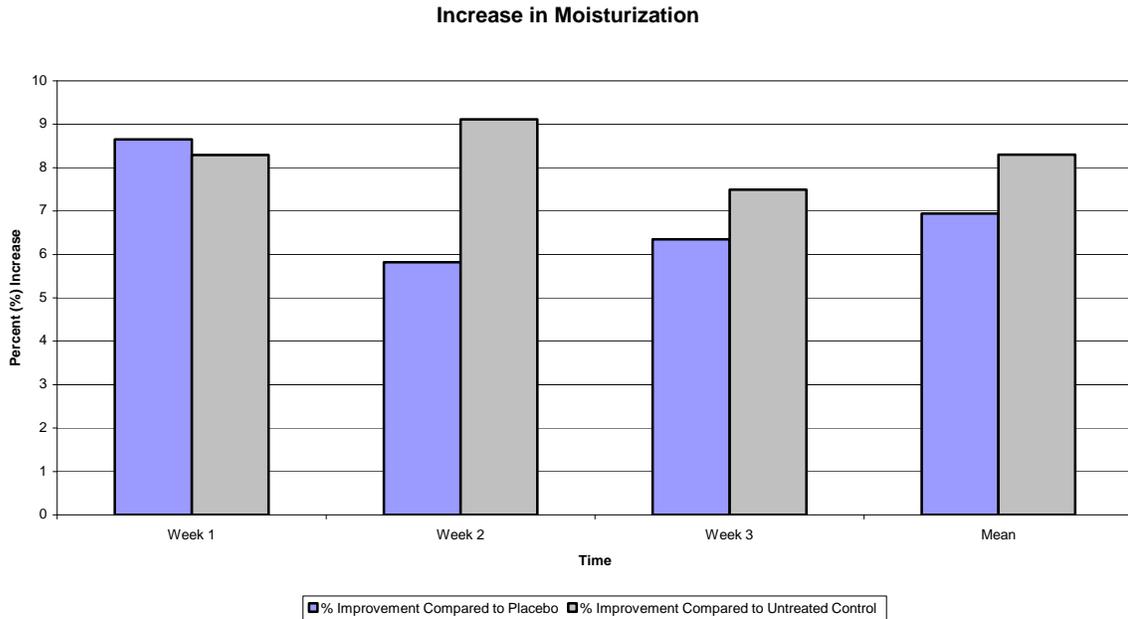


Figure 1. Comparison of the moisturizing benefits of NOP Organic Rice Solution to placebo and untreated control.

Discussion

The results clearly indicate that NOP Organic Rice Solution is capable of effectively hydrating the skin compared to both the placebo lotion and untreated control. Given the consistency of the product and the moisturization results obtained, the NOP Organic Rice Solution is useful as an effective replacement for glycerine.