

AcquaSeal® Coconut 24 Hour Moisturization Study

Code: 20742

INCI Name: Cocos Nucifera (Coconut) Fruit Extract

Text Request Number:

Suggested Use Levels: 0.50 - 5.00%

Abstract

An in-vivo study was conducted over a period of 24 hours to evaluate the moisturization benefits of AcquaSeal® Coconut. Ten (M/F) subjects between the ages of 23-45 participated in the study. Results indicate that this material is capable of significantly increasing moisturization on the skin after 24 hours than the control.

Materials and Methods

Ten volunteers M/F between the ages of 23 and 45, known to be free of any skin pathologies participated in this study. A DermaLab Corneometer was used to measure the moisture levels on the subject's volar forearms. The Corneometer is an instrument that measures the amount of water within the skin. The presence of moisture in the skin improves conductance, therefore results in higher readings than dry skin. Hence, the higher the levels of moisture, the higher the readings yielded from the Corneometer. Baseline moisturization readings were taken when the study commenced (t=0).

Following initial measurements, all subjects were asked to apply 2 mg of each test material to their volar forearms. Measurements were taken immediately after application of the test materials and then again 24 hours after application of the test materials. The experimental material consisted of 2.0% AcquaSeal® Coconut in a base lotion.

For added perspective, measurements of an untreated test site and a site treated with a base lotion (Cetaphil Moisturizing for All Skin Types) were recorded.

Results

Increase in Skin Moisturization

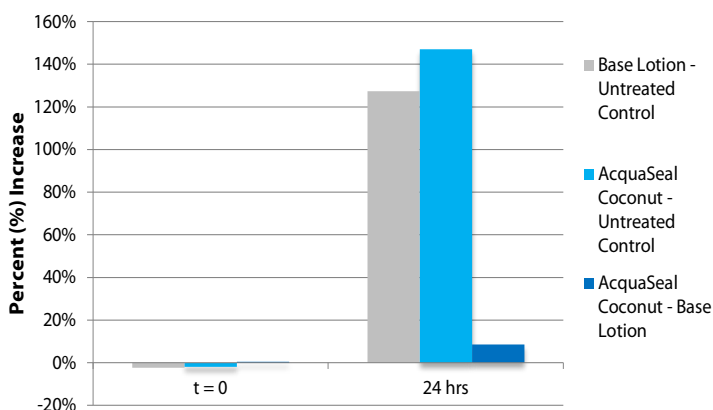


Figure 1. Percent increase in moisturization 24 hours after application of AcquaSeal® Coconut and base lotion

Discussion

As evidenced in the 24 hour efficacy study of AcquaSeal® Coconut on the skin, moisture levels were improved by 150% after 24 hours when compared to the untreated control. When compared to the base lotion, AcquaSeal® Coconut improved moisturization by 14% after 24 hours. Results indicate that AcquaSeal® Coconut is capable of increasing moisturization more effectively than the base lotion after 24 hours.