



Moisturization/Hydration Assay

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Tradename: ACB Yerba Santa Glycoprotein PF

Code: 20342PF

CAS #: 68990-14-7 & 1686112-10-6 (or) 84775-94-0

Test Request Form #: 2782

Lot #: 32061

Sponsor: Active Concepts, LLC; 107 Technology Drive Lincolnton, NC 28092

Study Director: Maureen Danaher

Principle Investigator: Jennifer Goodman

Introduction:

An *in-vivo* clinical Twelve- (12) subject study was carried out over a thirty-day period to evaluate the long-term effects of the cosmetic raw material, **ACB Yerba Santa Glycoprotein PF** on skin moisturization.

Materials:

Product 1: Blank Formulation Base (Water) + Aloe Vera 10X Gel (Control)

Product 2: Blank Formulation Base (Water) + 5% **ACB Yerba Santa Glycoprotein PF**

Equipment:

Nova Impedance Meter

Methods:

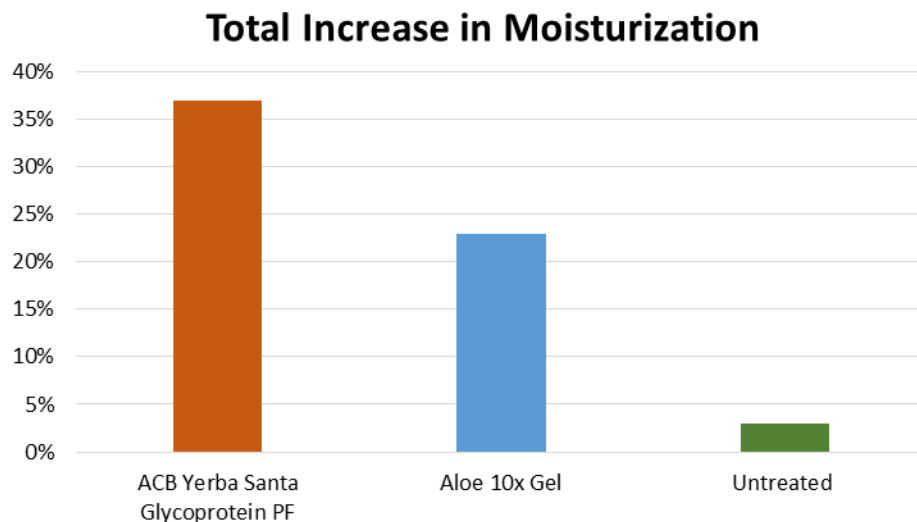
Active Concepts utilized 12 female volunteers between the ages of 18 and 45, known to be free of any skin pathologies. On day one of the study the moisturization levels of the volunteers' skin were measured via Nova Impedance Meter. This measurement was used as the subject's baseline. We then divided the volunteers into two separate groups – Group 1 (6 volunteers) used Product 1 on the right side of the face. The left side of the face remained untreated. Group 2 (6 volunteers) used Product 2 on the right side of the face. The left side of the face remained untreated. The twelve subjects followed the protocol for thirty days, applying the products once daily on the appropriate side of their face. On day 30 Moisturization was once again assessed on the two halves of the face of each of the volunteers using the Nova Impedance Meter. The amount of moisturization obtained after the 30 day study was evaluated and compared to the measurements taken on day one the study. Significant differences were found between the two groups of volunteers.

Results/Conclusion:

The following chart shows the results of the % moisturization at day 1 and day 30 of the study. The graph shows the results of the percent increase in moisturization comparing Aloe Vera and **ACB Yerba Santa Glycoprotein PF**.

Group 1(Aloe)	
Day 1 Average % Moisturization	5.20%
Day 30 Average % Moisturization	28%
Group 2(ACB Yerba Santa Glycoprotein PF)	
Day 1 Average % Moisturization	5.40%
Day 30 Average % Moisturization	37%

Chart 1: Percent moisturization.



Graph 1: Total increase in moisturization.