



Improvement in Skin Characteristics Assay

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Tradename: AC Southernwood Plump BG PF

Code: 20419PF

CAS #: 107-88-0 & 89957-58-4 & 7732-18-5

Test Request Form #: 2169

Lot #: NC160308-A

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Principle Investigator: *Jennifer Goodman*

Introduction

An *in-vivo* study was conducted to assess the effects that **AC Southernwood Plump BG PF** has on skin characteristics, such as tone, elasticity, fine lines and wrinkles. **AC Southernwood Plump BG PF** is capable of increasing epidermal tone and elasticity.

Materials and Methods

20 M/F subjects between the ages of 47 and 61 were used. Subjects applied a lotion containing 4.0% **AC Southernwood Plump BG PF** to their face twice daily for 60 days. Subjects abstained from using products on the test sites prior to analysis.

The SEM 575 Cutometer was used to non-invasively quantify modifications in epidermal elasticity and tone via suction. Sensors at the tip of the probe measured the amount of epidermis drawn into the probe to determine the structural integrity of the epidermis e.g. tone and elasticity.

The results were compared to the baseline tone and elasticity values that were measured prior to the start of the study.

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Results

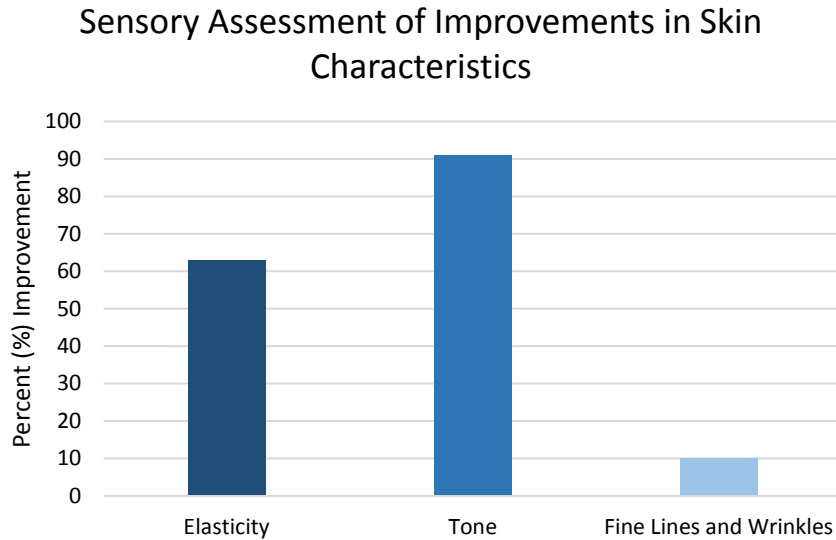


Figure 1. Effects of 4.0% **AC Southernwood Plump BG PF** on skin characteristics.

Discussion

The results indicate that **AC Southernwood Plump BG PF** is capable of increasing epidermal tone by 91% while improving epidermis' elasticity by 63%. **AC Southernwood Plump BG PF** also decreased the appearance of crow's feet by 12% while decreasing fine lines and wrinkles on the cheeks by 10%. **AC Southernwood Plump BG PF** is therefore appropriate for use in products intended to increase skin tone and elasticity for anti-aging benefits.