



AC Party Face Pom Changes in Wrinkle Characteristics

Party Face Pom Code: 20447

Abstract

The purpose of this study was to determine the *in-vivo* effectiveness of **4% AC Party Face Pom** on the appearance of wrinkles. Our technical staff conducted a series of tests to show the efficacy of its anti-wrinkle properties on 10 volunteers between the ages of 36 and 70. Studies were conducted by observation with an image analyzer on Day 0, Day 30, and Day 60. We determined percent decrease in wrinkle length, depth, number, and surface area.

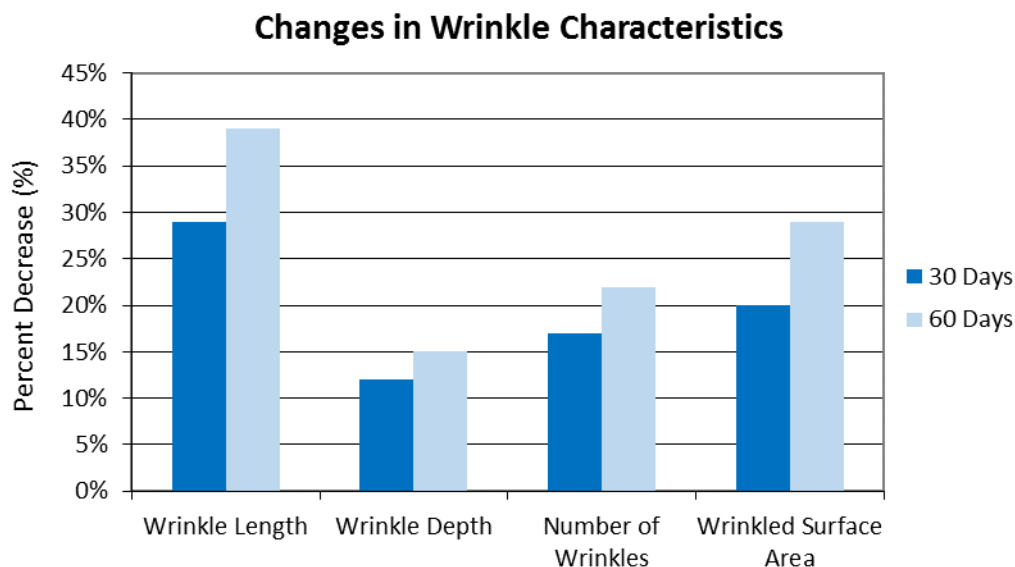
Materials and Methods

4% AC Party Face Pom was applied twice daily for 60 days. The anti-wrinkle effects were analyzed by observation with a profilometer equipped with an image analyzer. For surface area, we examined a 1cm² field around the eyes in an area known as "crow's feet." Silicon polymer replicas were made for Day 0, 30, and 60. Illumination cast at a 35° angle forms shadows on the casts, and the analyses of gray levels were analyzed via a software program on a computer. We measured: wrinkle length, wrinkle depth, number of wrinkles, and wrinkled surface area.

Results

The decrease in the appearance of wrinkles is expressed by the formula:

$$\frac{D_0 - D_{30 \text{ or } 60}}{D_0} \times 100 = \% \text{ Decrease of Wrinkles}$$



(Figure 1. Percent decrease in wrinkle characteristics)



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Discussion

After twice daily application, both D_{30} and D_{60} showed significant wrinkle reduction in all four categories. Day 60 showed slightly more significant results than Day 30, which leads us to believe that prolonged application leads to better anti-wrinkle results. At D_{60} in comparison to D_0 , wrinkle length decreased by 39%; wrinkle depth decreased by 15%; number of wrinkles decreased by 22%; and the wrinkled surface area decreased by 29%. This leads us to believe that **4% AC Party Face Pom** is sufficient at decreasing the appearance of wrinkles and it is a dose-dependent, bioactive product.

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