INCREASED SKIN HYDRATION WITH FLORAESTERS K-20W® JOJOBA

CS 17-098

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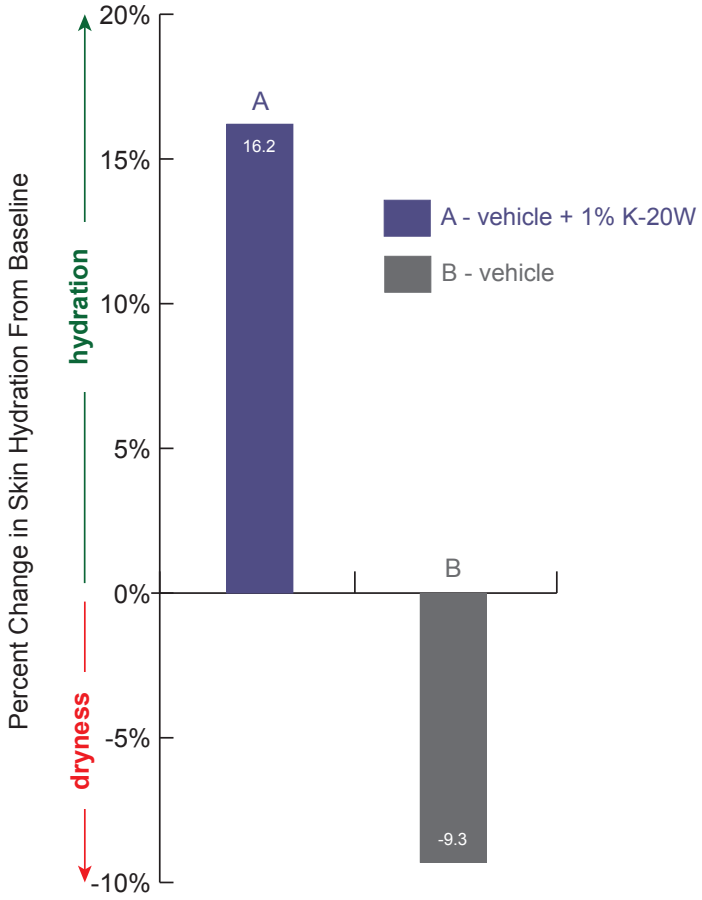
Floraesters K-20W Jojoba Increased Skin Hydration in a Lotion Containing Glycolic Acid

Skin Hydration



Objective:

To evaluate Floraesters® K-20W Jojoba for its potential to mitigate the drying effect of glycolic acid (*i.e.* increase skin hydration) when used in a lotion with 2% glycolic acid.

Method:

Skin hydration measurements using a Corneometer were taken at baseline and after 1 week of twice-daily at-home lotion test article use.

Results:

The lotion containing ***1% Floraesters K-20W Jojoba increased skin hydration 2.7 times*** as much as the vehicle.

A = vehicle lotion + 1% Floraesters K-20W Jojoba / B = vehicle lotion

Vehicle Lotion (%wt/wt): Water (q.s.), Glycolic Acid (2.0%), Propanediol (1.0%), Ammonium Acryloyldimethyltaurate/VP Copolymer (0.6%), Hydroxyethylcellulose (0.3%), Disodium EDTA (0.1%), and Methylisothiazolinone (0.7%). (pH = 2.5-3.0)

Floratech Ingredient: Floraesters K-20W Jojoba

The clinical study of Floratech® test formulation (CTL_17-071) was conducted on a panel of 20 healthy male and female subjects, ranging from 30 to 52 years of age (mean age = 41). The duration of the study was 33 (including the 3 day washout) days with twice-daily applications of each lotion test article over the assigned testing areas (which were stained with fluorescence). This study was double-blind and randomized. The Corneometer CM 825 is a product of Courage+Khazaka (Köln, Germany). The test article with Floraesters K-20W Jojoba resulted in a statistically significant ($p<0.001$) increase in skin hydration both from baseline and as compared to the vehicle, after 1 week of use. (Clinical Study 17-071 report available upon request.)

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