



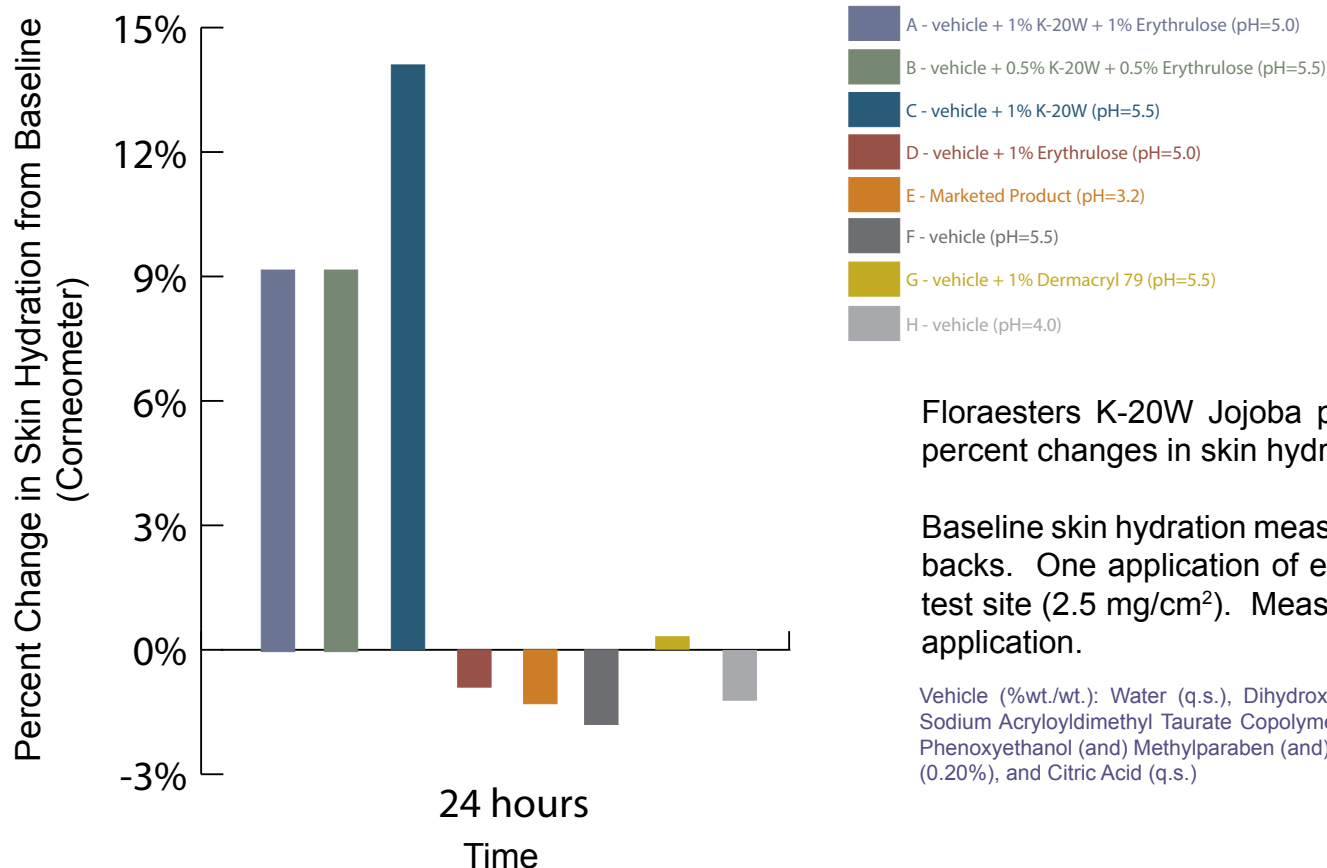
INCREASED SKIN HYDRATION WITH FLORAESTERS® K-20W JOJOBA IN A SUNLESS TANNER

CS 13-049



Floraesters K-20W Jojoba in a Sunless Tanner Increases Skin Hydration

Change in Skin Hydration



Floraesters K-20W Jojoba increased skin hydration in a sunless tanner containing 5% dihydroxyacetone better than all other test articles at 24 hours.

The graph to the left shows the percent change in skin hydration from baseline, 24 hours after test article application. Test article C [vehicle + 1% K-20W (pH=5.5)] resulted in a statistically significant ($p < 0.01$) increase in skin hydration 24 hours post test article application. All test articles containing

Floraesters K-20W Jojoba produced statistically significantly ($p < 0.05$) higher percent changes in skin hydration than all other test articles.

Baseline skin hydration measurements (via Corneometer) were taken on normal backs. One application of each test article was then made to the appropriate test site (2.5 mg/cm^2). Measurements were repeated 24 hours post test article application.

Vehicle (%wt./wt.): Water (q.s.), Dihydroxyacetone (5.00%), Coco Caprylate Caprate (3.00%), Sodium Acrylate / Sodium Acryloyldimethyl Taurate Copolymer (and) Isohexadecane (and) Polysorbate 80 (3.00%), Glycerin (2.00%), Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (0.80%), Fragrance (0.20%), and Citric Acid (q.s.)

**Floratech Ingredient:
Floraesters K-20W Jojoba**

The clinical study of Floratech® test formulation (CTL_12-048) was conducted on a panel of 15 healthy men and women ranging from 25 to 60 years of age with normal skin on the back. The data presented above was taken over 2 days with 1 application of the test article, and the Corneometer measurements were taken under controlled temperature and humidity conditions. This study was double-blind and randomized. Dihydroxyacetone (INCI: Dihydroxyacetone) was supplied by EMD Chemicals Inc.; Erythulose (INCI: Erythulose) was supplied by DSM Nutritional.; and Dermacryl-79 (INCI: Acrylates/Octylacrylamide Copolymer) was supplied by Akzo Nobel Chemicals. Corneometer CM 85 is a product of Courage+Khazaka. The marketed product was Summer Color® Self-Tanning Lotion Deep Dark Color (Sun Pharmaceuticals Corp., Westport, CT). (Clinical Study 12-048 - Phase I report available upon request.)