



# INCREASED SKIN HYDRATION WITH FLORAESTERS K-20W® JOJOBA IN A SUNSCREEN

CS 15-070



## Floraesters K-20W Jojoba in a Sunscreen Increases Skin Hydration



### Objective:

To evaluate Floraesters K-20W Jojoba in a sunscreen for its potential to increase skin hydration.

### Method:

Sunscreens with and without 5% Floraesters K-20W Jojoba were applied to the lower legs.

Skin hydration measurements (using the Corneometer) were taken at baseline, one and two hours post-test article application.

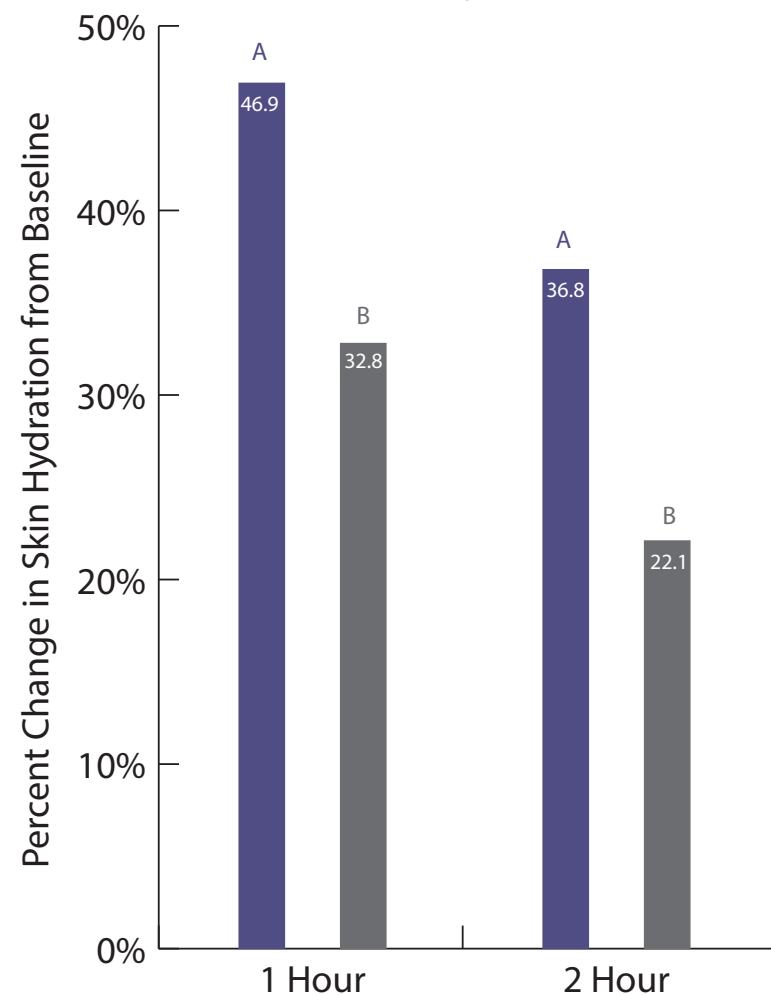
### Results:

The test article containing 5% Floraesters K-20W Jojoba **increased skin hydration up to 67% compared to the vehicle sunscreen** without Floraesters K-20W Jojoba.



Vehicle Sunscreen (%wt/wt): Water (q.s.), C12-15 Alkyl Benzoate (8.0%), Titanium Dioxide (and) Dimethicone (7.5%), Ethyl Macadamiate (5.0%), Potassium Cetyl Phosphate (3.0%), Sunflower Seed Oil Sorbitol Esters (2.0%), Polyhydroxystearic Acid (1.0%), Cetearyl Alcohol (1.0%), Glycerin (1.0%), Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (and) Isobutylparaben (0.8%), Triethanolamine (0.2%), and Acrylates/C10-30 Alkyl Acrylate Crosspolymer (0.1%).

### Skin Hydration



## Floratech Ingredient: Floraesters K-20W Jojoba

The clinical study of Floratech® test formulation (CTL\_15-061) was conducted on a panel of 17 healthy females, ranging from 35 to 56 years of age (mean age = 46), with dry lower legs. The duration of the study was one day with one application of each test article. The study was double-blind, randomized, and carried out under controlled temperature and humidity conditions. The Corneometer CM 825 is a product of Courage+Khazaka (Köln, Germany). The inclusion of 5% Floraesters K-20W Jojoba resulted in statistically significant ( $p < 0.05$ ) increases in skin hydration at both time points. (Clinical Study 15-061 report available upon request.)