



# INCREASED SKIN HYDRATION WITH FLORAESTERS K-20W® JOJOBA IN AN ALCOHOL-FREE TONER

CS 15-071



## Floraesters K-20W Jojoba Increases Skin Hydration in an Alcohol-Free Toner



### Objective:

To evaluate Floraesters K-20W Jojoba for its potential to increase skin hydration when used in a clear, alcohol-free, and PEG-free toner.

### Method:

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

### Results:

Floraesters K-20W Jojoba added to clear, alcohol-free, and PEG-free toners, in conjunction with either glycerin or butylene glycol, **increased skin hydration at least 100%** as compared to each test article without Floraesters K-20W Jojoba.

- A - 0.3% glycerin
- B - 2% butylene glycol
- C - 0.5% Floraesters K-20W Jojoba
- D - 2% butylene glycol + 0.3% glycerin
- E - 0.3% glycerin + 0.5% Floraesters K-20W Jojoba
- F - 2% butylene glycol + 0.5% Floraesters K-20W Jojoba
- G - 2% butylene glycol + 0.3% glycerin + 0.5% Floraesters K-20W Jojoba

Vehicle Skin Toner (%wt/wt): Water (q.s.), Hamamelis Virginiana (Witch Hazel) Water (3.50%), Caprylyl/Capryl Glucoside (3.00%), Phenoxyethanol (and) Caprylyl Glycol (and) Ethylhexylglycerin (and) Hexylene Glycol (0.75%), Lactic Acid (and) Water (0.46%), Disodium EDTA (0.10%), Sodium Hyaluronate (0.10%), and Trehalose (0.10%).

## Floratech Ingredient: Floraesters K-20W Jojoba

The clinical study of Floratech® test formulation (CTL\_15-061) was conducted on a panel of 20 (n ≥ 15 per test article) 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 0.5% Floraesters K-20W Jojoba, in conjunction with either glycerin or butylene glycol, resulted in statistically significant (p<0.05) increases in skin hydration in each toner formula at both time points. (Clinical Study 15-061 report available upon request.)

### Skin Hydration

