



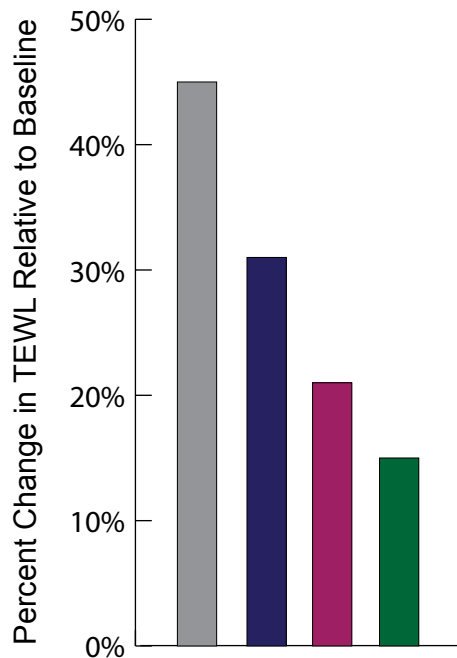
# REPAIRING BARRIER FUNCTION WITH FLORAESTERS® 30 AND FLORAESTERS K-100® JOJOBA IN A SHAVING CREAM

CS 12-043



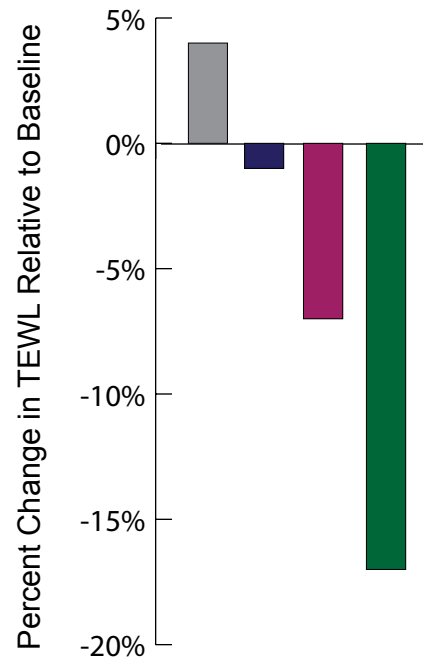
## Floraesters 30 and Floraesters K-100 Jojoba Decreased TEWL in a Shaving Cream Application

### Percent Increase in TEWL 15 Minutes Post-Shave

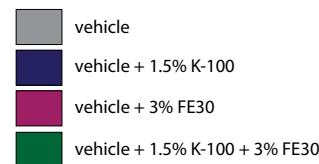


The test article containing 1.5% Floraesters K-100 Jojoba and 3% Floraesters 30 produced the smallest increase (insignificant) in TEWL at 15 minutes.

### Percent Decrease in TEWL 60 Minutes Post-Shave



The test article containing 1.5% Floraesters K-100 Jojoba and 3% Floraesters 30 produced the largest decrease ( $p < 0.05$ ) in TEWL at 60 minutes.



Floraesters 30 and Floraesters K-100 Jojoba, alone and in combination, enhanced barrier function (reduced TEWL) over the vehicle with 1% aloe vera post shave.



3% Floraesters 30 and/or 1.5% Floraesters K-100 Jojoba was incorporated into a shaving cream (vehicle which includes 1% aloe vera). Transepidermal water loss (TEWL) was determined with a Tewameter TM300 at baseline (pre-shave), and 15 and 60 minutes post one application / shave of the test article on the outer aspect of the lower leg. Group mean percent change in TEWL from baseline was then determined for each test article and are illustrated in the graph.

Both test articles containing 3% Floraesters 30 increased TEWL less or decreased TEWL statistically significantly ( $p < 0.001$ ) better than the vehicle.

**Vehicle:** Water (q.s.), Stearic Acid (12.5%), Propylene Glycol Monostearate (3.5%), Butylene Glycol (2.0%) Glycerin (2.0%), Glycol Stearate (and) Stearamide AMP (1.0%), Aloe Barbadensis Leaf Juice (1.0%), Phenoxyethanol (and) Caprylyl Glycol (and) Potassium Sorbate (and) Aqua (and) Hexylene Glycol (1.0%), Triethanolamine (0.5%), Magnesium Aluminum Silicate (0.4%), Polyquaternium-10 (0.3%), Tetrasodium EDTA (0.2%), and Fragrance (0.2%)

## Floratech Ingredients: Floraesters 30 and Floraesters K-100 Jojoba

The clinical study of Floratech® test formulation (CTL\_12-045) was conducted on a panel of 15 healthy women ranging from 34 to 57 years of age with dry lower legs. The duration of the study was one hour with one application of the test article and transepidermal water loss measurements conducted under controlled temperature and humidity conditions. This study was double-blind and randomized. Tewameter is a registered trademark of Courage+Khazaka. The reference image seen above is for illustration only and was not taken during the actual study. (Clinical Study 12-045 - Phase I report available upon request.)