Floraesters K-20W Jojoba Reduced Skin Barrier Disruption in a Lotion Containing Glycolic Acid

Skin Barrier Disruption (TEWL)

Objective:
To evaluate Floraesters® K-20W Jojoba, in a lotion containing 2% glycolic acid, for its potential to improve/maintain skin barrier function.

Method:
TEWL measurements (i.e. skin barrier function) using a Tewameter 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 improved skin barrier function by 78% compared to the vehicle.

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 Tewameter TM 300 is a product of Courage+Khazaka (Köln, Germany). The inclusion of Floraesters K-20W Jojoba resulted in a statistically significant (p<0.01) improvement in skin barrier function compared to the vehicle. (Clinical Study 17-071 report available upon request.)