



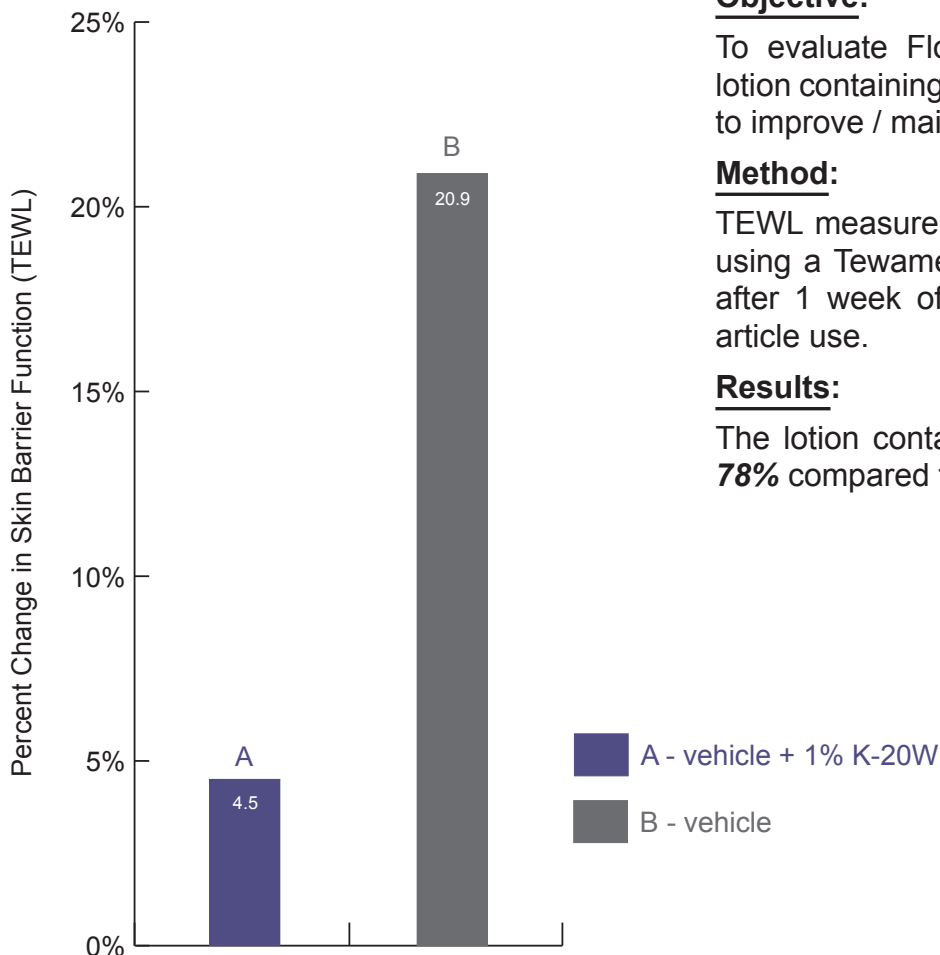
IMPROVED SKIN BARRIER FUNCTION WITH FLORAESTERS K-20W[®] JOJOBA

CS 17-099



Floraesters K-20W Jojoba Improved Skin Barrier Function in a Lotion Containing Glycolic Acid

Skin Barrier Function (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.



A = vehicle lotion + 1% Floraesters K-20W Jojoba / B = vehicle lotion

Vehicle Lotion (%wt/wt): Water (q.s.), Glycolic Acid (2.0%), Propanediol (1.0%), Ammonium Acryloyldimethyltaurate/VP Copolymer (0.6%), Hydroxyethylcellulose (0.3%), Disodium EDTA (0.1%), and Methylisothiazolinone (0.7%).

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.)