Floraesters 20, 30, and 60 in a Lotion Decreases Erythema (Redness) at 24 Hours After Dry Shaving

A lotion containing 2% Floraesters 20, 2% Floraesters 30, or 2% Floraesters 60 decreased erythema (redness) better than the vehicle lotion at 24 hours.

Baseline (pre-shave) Mexameter measurements were taken on normal forearms. The forearms were then dry shaved followed by 30 minute post-shave Mexameter measurements. The test articles were then applied to each test site (2.5mg/cm²). Measurements were repeated 4 and 24 hours post test article application. An additional test article application was made following the 4 hour measurements.

Peak erythema measurements were obtained at 4 hours. The graph to the left shows the increase in erythema associated with dry shaving, and the decrease in erythema after 2 test article treatments. Floraesters 20, 30, 60, and bisabolol produced statistically significant (p<0.01) decreases in erythema over the vehicle and water from 4 to 24 hours.

Vehicle (%wt./wt.): water (q.s.), Glyceryl Stearate (and) PEG-100 Stearate (4.00%), Cetyl Alcohol (3.00%), Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (0.80%), Xanthan Gum (0.20%), and Disodium EDTA (0.03%)

Floratech Ingredients:
Floraesters 20, Floraesters 30, and Floraesters 60

The clinical study of Floratech test formulation (CTL_11-036) was conducted on a panel of 15 healthy men and women ranging from 18 to 55 years of age with normal volar forearms. The data presented above was taken over 2 days with 2 applications of the test article and the Mexameter measurements were taken under controlled temperature and humidity conditions. This study was double-blind and randomized. Change in erythema was calculated by subtracting baseline values. Alpha-Bisabolol Natural was supplied by BASF Corporation and a recommended loading percentage was utilized. Mexameter MX 18 is a product of Courage+Khazaka. (Clinical Study 11-036 report available upon request.) The reference image seen above is for illustration only and was not taken during the actual study.