REDUCED PERCEIVED IRRITATION WITH FLORAESTERS® 60 AND FLORAESTERS K-100® JOJOBA IN AN ANTIPERSPIRANT

CS 18-108

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Floraesters 60 and Floraesters K-100 Jojoba Reduced the Perception of Irritation Caused by Antiperspirant

Objective:

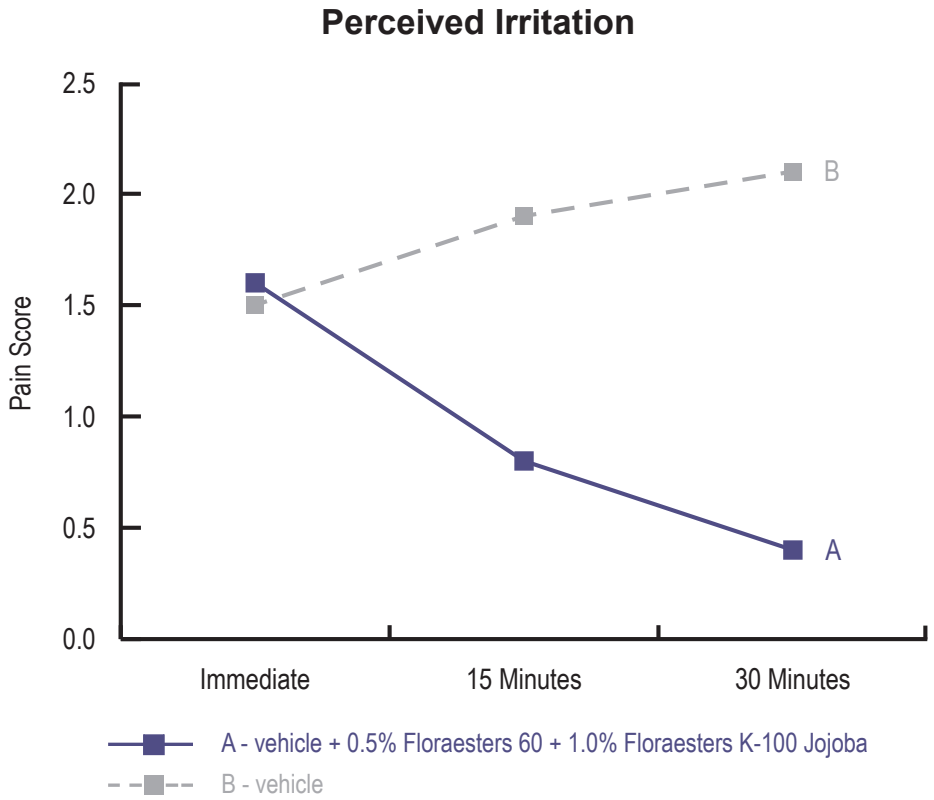
To evaluate Floraesters 60 and Floraesters K-100 Jojoba in an antiperspirant to reduce the perception of irritation (*i.e.* discomfort due to stinging, burning, and itching) after antiperspirant application.

Method:

Antiperspirants with and without 0.5% Floraesters 60 + 1.0% Floraesters K-100 Jojoba were applied to the underarms of **subjects sensitive to antiperspirants**, followed by subject evaluations.

Results:

The antiperspirant containing ***Floraesters 60 and Floraesters K-100 Jojoba reduced pain scores*** (*i.e.* discomfort due to stinging, burning, and itching) ***by 83%*** compared to the vehicle antiperspirant without Floraesters.



A = vehicle antiperspirant + 0.5% Floraesters 60 + 1.0% Floraesters K-100 Jojoba / B = vehicle antiperspirant

Vehicle Antiperspirant (%wt/wt): Cyclopentasiloxane (50.2%), Aluminum / Zirconium Tetrachlorohydrex-GLY (22.0%), Stearyl Alcohol (17.4%), Hydrogenated Castor Oil (4.1%), Aluminum Starch Octenylsuccinate (3.0%), Ethyl Macadamiate (1.5%), C12-15 Alkyl Benzoate (and) Stearalkonium Hectorite (and) Propylene Carbonate (1.0%), Talc (0.5%), Fragrance (0.3%), and Lactic Acid (q.s.).

Floratech Ingredient: Floraesters 60 and Floraesters K-100 Jojoba

The clinical study of Floratech® test formulation (CTL_16-068) was conducted on a panel of 14 female subjects, ranging from 29 to 61 years of age (mean age = 45), who demonstrated a sensitivity to antiperspirants. The duration of the study was 1 week (in addition to a 3 day washout) with once daily applications of the antiperspirants. Subjects evaluated pain scores on a scale of 1 - 10 (where 10 was the most painful) immediately, 15 minutes, and 30 minutes after 1 application of the antiperspirant. The study was double-blind, randomized, and carried out under controlled temperature and humidity conditions. The inclusion of Floraesters 60 and Floraesters K-100 Jojoba resulted in statistically significantly ($p<0.01$) lower pain scores 15 and 30 minutes after application. (Clinical Study 16-068 report available upon request.)

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sales@floratech.com