



ECOBeads® IN A FACIAL SCRUB CAUSE LESS ERYTHEMA

CS 15-062



Ecobeads Cause Less Erythema Than Polyethylene Particles or Apricot Shells When Used in an Exfoliating Facial Scrub

Objective:

To evaluate Ecobeads within a facial scrub for their potential to cause less erythema (skin redness) during a mechanical exfoliation process, as compared to polyethylene particles or apricot shells (a natural polyethylene alternative) within the same facial scrub.

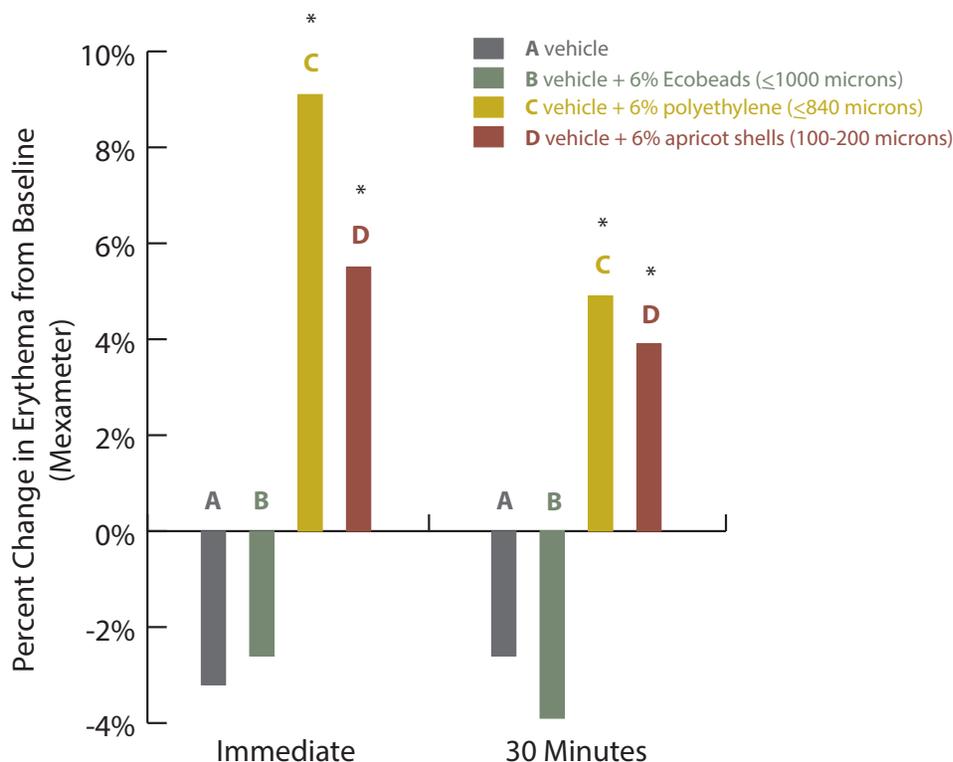
Method:

Skin redness measurements (erythema via Mexameter) were taken on the volar forearms at baseline prior to exfoliation, immediately post-exfoliation, and 30 minutes post-exfoliation.

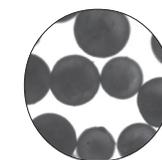
Results:

Ecobeads **caused less erythema** than polyethylene particles or apricot shells and **did not produce an increase in erythema** over baseline.

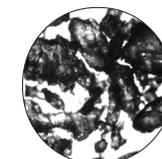
Erythema (Redness)



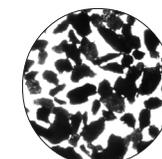
Ecobeads



polyethylene



apricot shells



Each exfoliant under 40x magnification. Note the smoothness of Ecobeads compared to the sharp edges of the other exfoliants.

Vehicle (%wt/wt): Water (47.8%), Ammonium Laureth Sulfate (14.5%), Cocamidopropyl Betaine (13.0%), Distearyl Phthalic Acid Amide (4.5%), Cetyl Alcohol (4.0%), Stearyl Alcohol (4.0%), Butylene Glycol (2.0%), PEG-120 Methyl Glucose Dioleate (2.0%), Sodium Hydroxide (and) Water (15% solution) (0.9%), Citric Acid (30% solution) (0.8%), Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (and) Isobutylparaben (0.5%), and Disodium EDTA (0.05%).

Floratech Ingredient: ecobeads®

The clinical study of Floratech® test formulation (CTL_14-058) was conducted on a panel of 26 healthy females, ranging from 22 to 53 years of age (mean age = 36). The duration of the study was one day with two one-minute applications of the test article (made with consistent pressure by the clinical research coordinator) and Mexameter (erythema) measurements were taken under controlled temperature and humidity conditions. This study was double-blind and randomized. Microscrub® 20PC [INCI: Polyethylene] was supplied by Micro Powders and Apricot Exfoliator 200 [INCI: Prunus Armeniaca (Apricot) Seed Powder] was supplied by Lessonia. Mexameter MX18 is a product of Courage+Khazaka. (Clinical Study 14-058 Phase II report available upon request.)

* Indicates a statistically significant ($p < 0.001$) increase in erythema.

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sales@floratech.com