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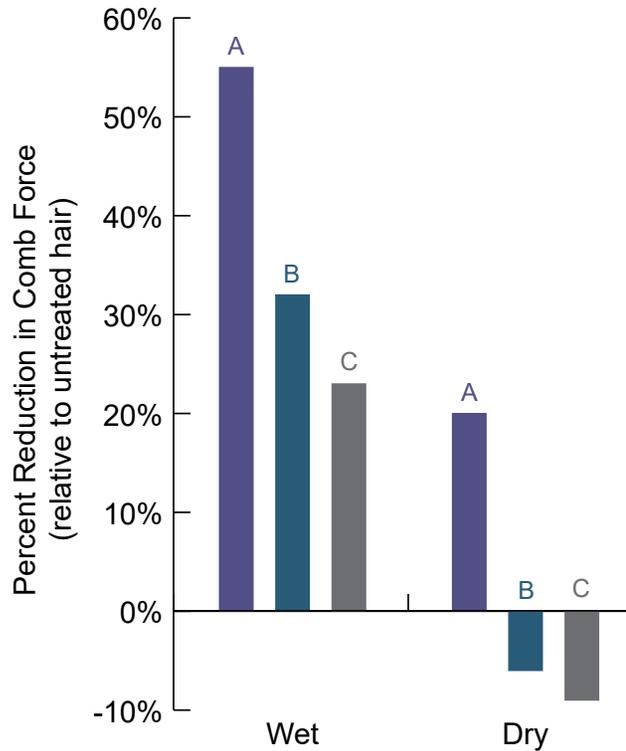
# FLORAESTERS® IPJ REDUCED COMB FORCE MORE THAN PHENYL TRIMETHICONE IN A LEAVE-IN HAIR CREAM

CS 21-145



## Floraesters IPJ in a Leave-In Hair Cream Reduced Wet and Dry Comb Force of Hair

### Comb Force



- A - vehicle hair cream + 5% Floraesters IPJ
- B - vehicle hair cream + 5% phenyl trimethicone
- C - vehicle hair cream

### Objective:

To evaluate Floraesters IPJ for its potential to improve hair conditioning as measured by wet and dry comb force.

### Method:

Leave-in hair creams with either 5% Floraesters IPJ or 5% phenyl trimethicone were applied to hair tresses. Wet and dry comb force measurements were taken at baseline and post hair cream treatment.



### Results:

The leave-in hair cream containing **5% Floraesters IPJ reduced comb force up to 4.5 times more** than the hair cream containing phenyl trimethicone.

A = vehicle hair cream + 5% Floraesters IPJ / B = vehicle hair cream + 5% phenyl trimethicone / C = vehicle hair cream

Vehicle Hair Cream (%wt/wt): Water (q.s.), Hydrogenated Sunflower Seed Oil Polyglyceryl-3 Esters (and) Hydrogenated Sunflower Seed Oil Glyceryl Esters (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate (3.00%), Phenoxyethanol (and) Ethylhexylglycerin (0.90%), Hydrolyzed Soy Protein (0.65%), Carbomer (0.25%), Aminomethyl Propanol (0.16%), and Disodium EDTA (0.10%).

## Floratech Ingredient: Floraesters IPJ

The ex vivo study of Floratech® test formulation (CTL\_20-081) was conducted on naturally curly, brown, five inch long hair tresses (DeMeo Brothers Inc., Passaic, NJ) that were double bleached and washed with a 10% sodium lauryl sulfate solution prior to use in the study (n=8 tresses per test article). Treatment consisted of a 30 second rinse, one application of 1 mL of the test article per 1.5 g of hair, a 15 second massage, and detangling the hair using two comb strokes. Peak wet and dry comb force (gram-force) measurements were made using a Test Resources Q Series (100Q) Universal Testing Machine (TestResources, Inc.). The study was blinded and carried out under controlled temperature and humidity conditions. The inclusion of Floraesters IPJ resulted in statistically significant (p<0.05) reductions in wet and dry comb force compared to the vehicle, the inclusion of phenyl trimethicone, and to baseline. The vehicle and the inclusion of phenyl trimethicone also resulted in statistically significant (p<0.05) reductions in wet comb force from baseline. (Clinical Study 20-081 - Phase I report available upon request.)