

FANCOR® ABYSSINIAN OIL

Sustainable Hair Care

INCI: Crambe Abyssinica Seed Oil

INTRODUCTION

Crambe abyssinica is native to the Mediterranean region and eastern Africa, particularly in the area originally called Abyssinia which today is known as Ethiopia. This plant was introduced into the United States in the 1940's and successfully grown in the northern central states. The oil obtained from Crambe abyssinica is a non-GMO natural product. The oil is fully biodegradable and free from any additives.

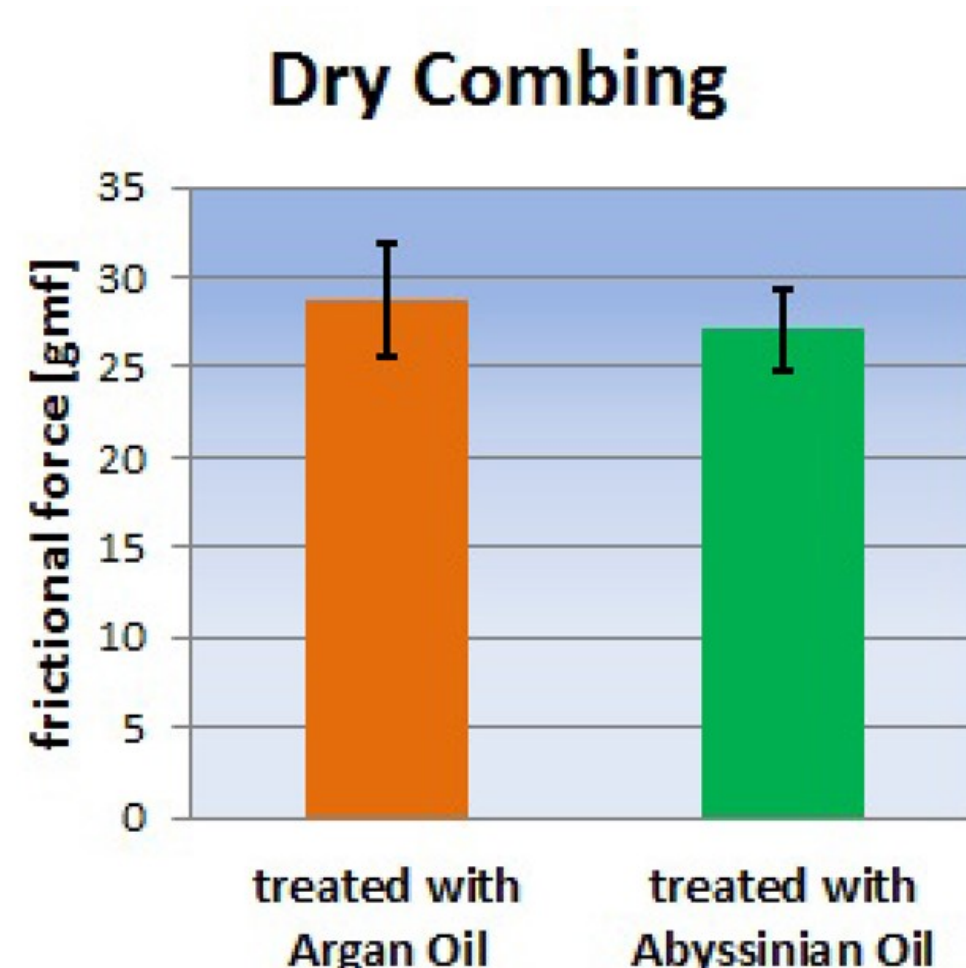
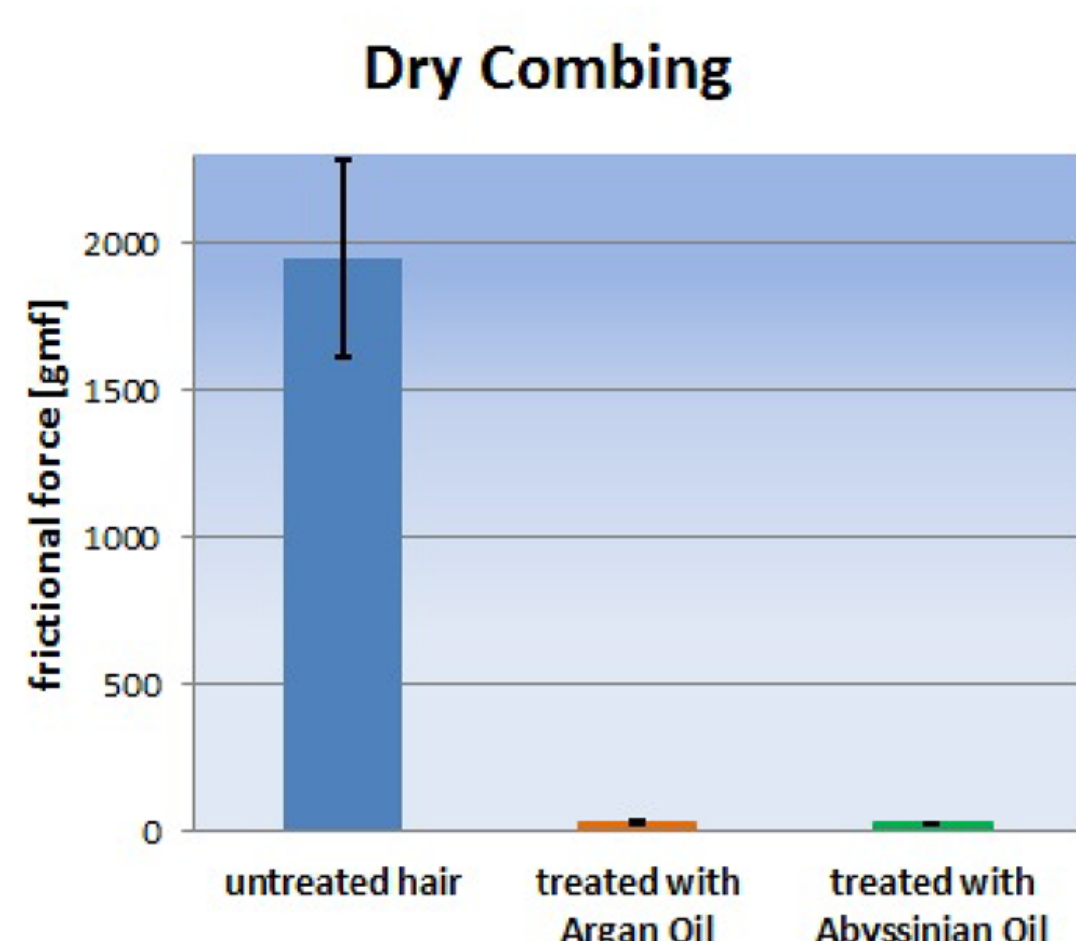
FANCOR® Abyssinian Oil produces a natural radiant luster. The oil glides onto the hair surface to form a very light continuous lipid layer which provides lubricity to help detangle and lock in essential moisture.

EFFICACY DATA

Most conditioning products claim to increase the manageability and combability of the hair due to lubrication and conditioning effect of the hair fibers. Improving the combability of the hair is perceived as the hair being in better condition. Better combability decreases the mechanical damage on the hair due to reduced combability force needed to untangle the hair, therefore, the combability of hair after treatment with conditioning agents provides an indicator if the effectiveness of the treatment is sufficient.

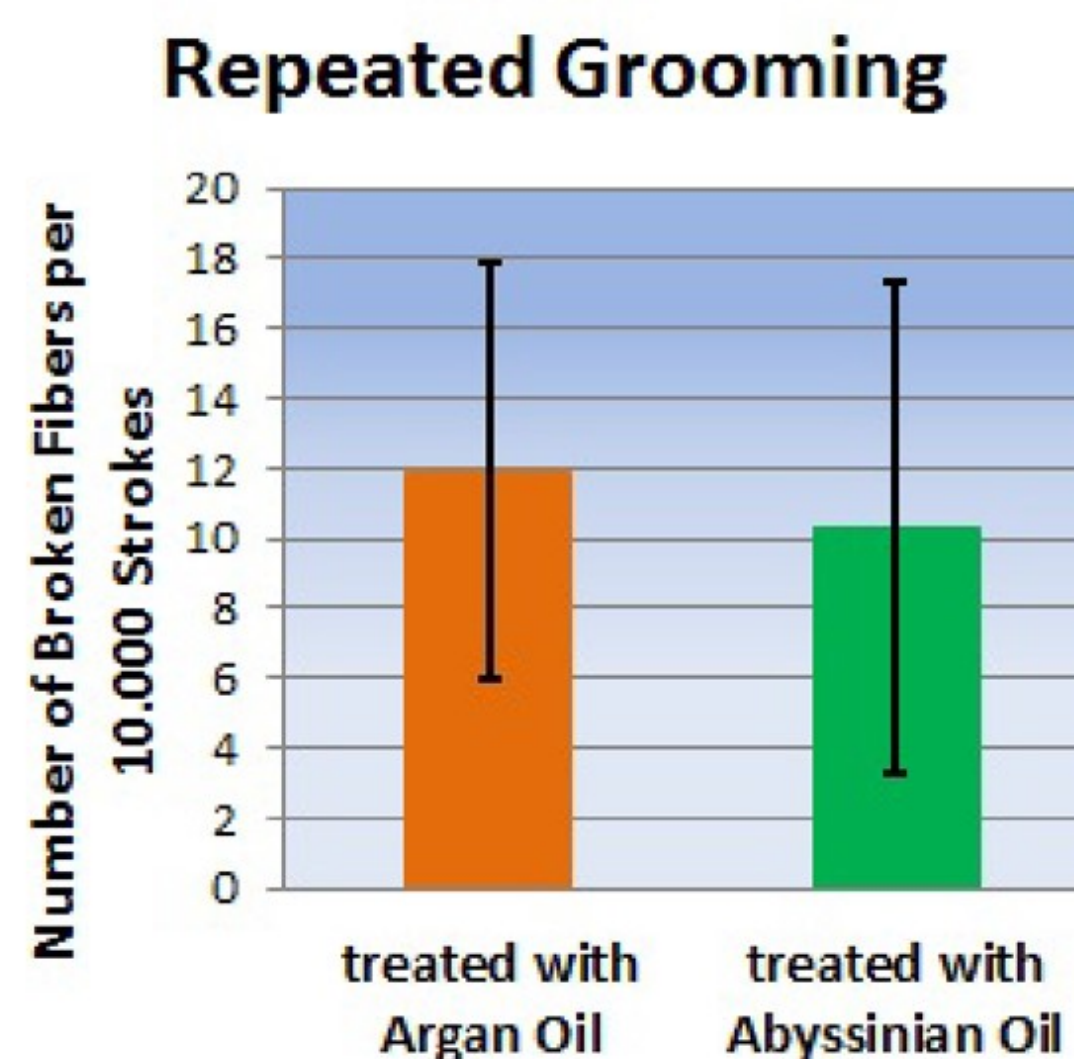
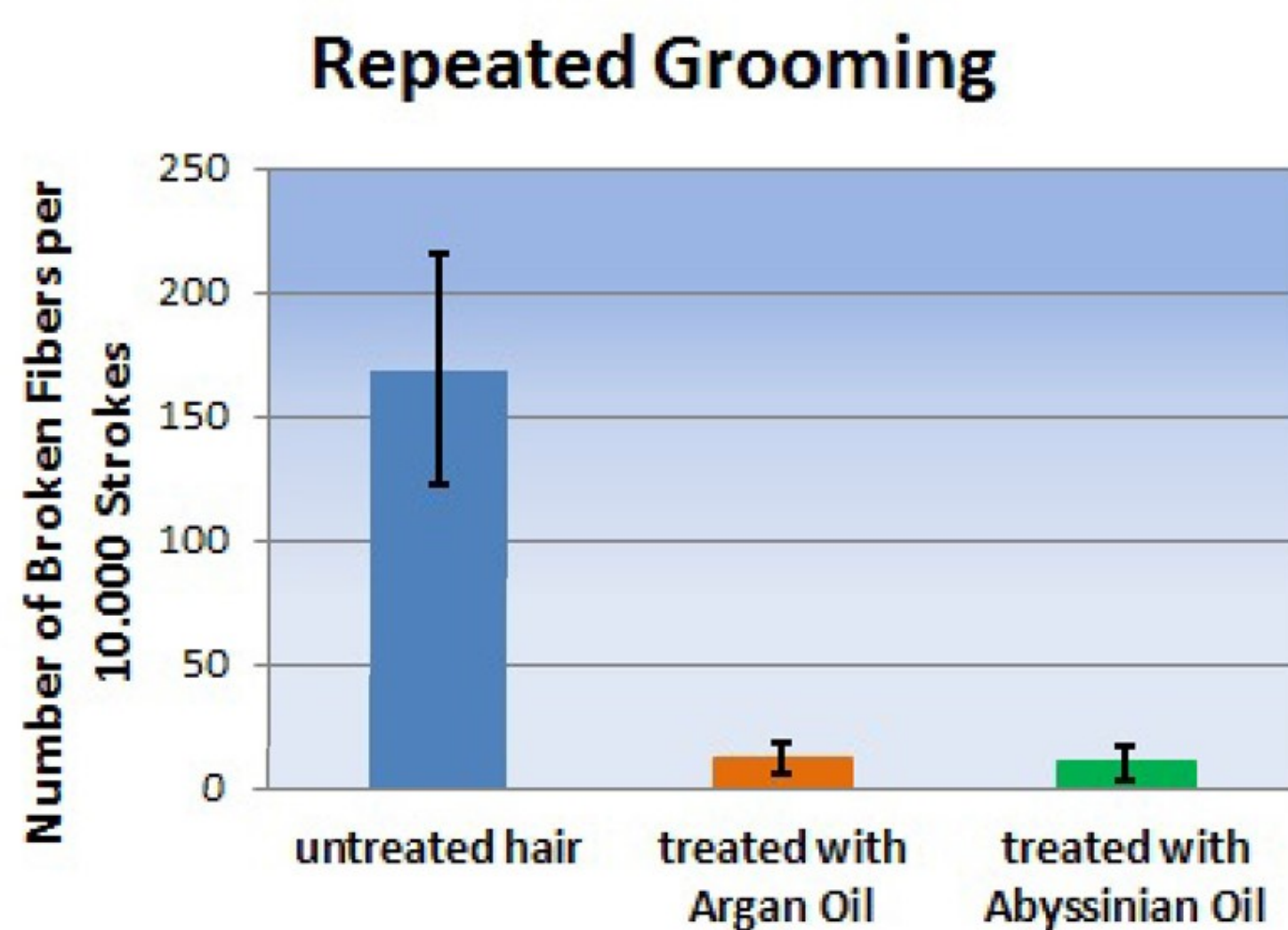
TRI Princeton used the Instron Tensile Tester to quantitatively evaluate the combability of Mulatto and Caucasian Hair treated with FANCOR® Abyssinian Oil.

Virgin Mulatto hair tresses and single bleached Caucasian hair tresses were used for this test. The Caucasian hair was bleached using 6 % peroxide solution. To ensure statistical relevance eight standardized hair tresses were used per sample and eight times the combing force was measured.



The ability of natural oils to coat the hair fibers and to reduce snag, entanglements and abrasion lead to strengthening of the hair. This effect is linked to the phenomenon of antibreakage, which is a common problem in real life due to different stress factors like grooming and hair-dressing. To enable the hair fibers to stay in good and healthy-looking shape, although being confronted with this potential damaging procedures, is highly appreciated by consumers of hair care products.

A Repeated Grooming experiment was used to quantify the strengthening and antibreaking effect of FANCOR® Abyssinian Oil, which evaluated broken fibers after repeated combing strokes. Ten hair tresses per treatment were used to ensure statistical relevance and brushed 10.000 times, then the broken fibers are counted and analyzed.



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