

ACB Modified Pomegranate Enzyme PF

Exfoliation



Tomorrow's Vision... *Today!*[®]



ACB Modified Pomegranate Enzyme PF



***20440PF – ACB Modified Pomegranate Enzyme PF**

Product Code: 20440PF

INCI Name: Lactobacillus/Punica Granatum Fruit Ferment Extract

INCI Status: Conforms

Suggested Use Level: 1.0 - 10.0%

Suggested Applications: Exfoliation

Proteolytic Enzymes



- Intact Chaperone Proteins
 - Acts as on/off switches to prevent irritation
 - Prevents Self-Breakdown to maximize shelf life
 - Prevents product discoloration overtime – due to the Maillard Reaction
 - Maillard Reaction – Discoloration overtime, due to the reaction between sugars and proteins

- 10,000 – 15,000 Da (enzyme molecular weight)

ACB Modified Pomegranate Enzyme PF

Benefits

- Smoothes & Softens
- Minimizes the appearance of fine lines
- Instant perceivable benefits
- Exfoliation – Allows for better absorption of actives
- Safe Alternative to Alpha Hydroxy Acids (AHA's)
- Perfect for Skin, Hair & Scalp Care Applications



ACB Modified Pomegranate Enzyme PF

Skin Care



- Exfoliation
 - Serves to remove the outer layer of dead skin cells that can trap bacteria & sebum

Hair Care

- Removes buildup that can accumulate on the hair overtime

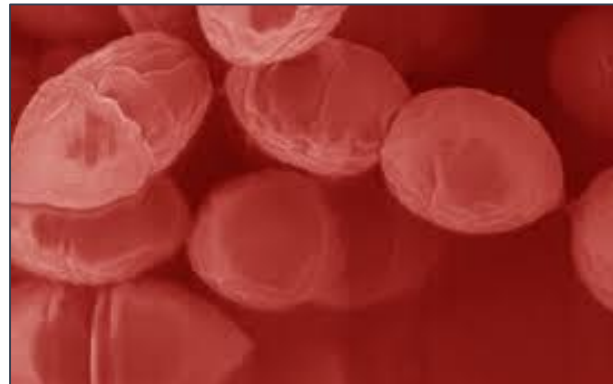
Scalp Care

- Exfoliates the scalp to create an optimum environment for healthy hair

ACB Modified Pomegranate Enzyme PF



- Sustainably Manufactured
 - Extracted from the unused residual fruit pulp
 - Along with the intact chaperone proteins – improved stability
- The macerated fruit is the fermented with *Lactobacillus lactis*
 - Desired Chemicals are readily available
 - Enhanced Benefits



Efficacy Data

Dansyl Chloride Assay



Material	Concentration	Days	% Cellular Renewal
Glycolic Acid	4%	16	28.6
Untreated Control	N/A	23	N/A
ACB Modified Pomegranate Enzyme PF	5%	17	26

Figure1: Test Materials.

Efficacy Data

Dansyl Chloride Assay

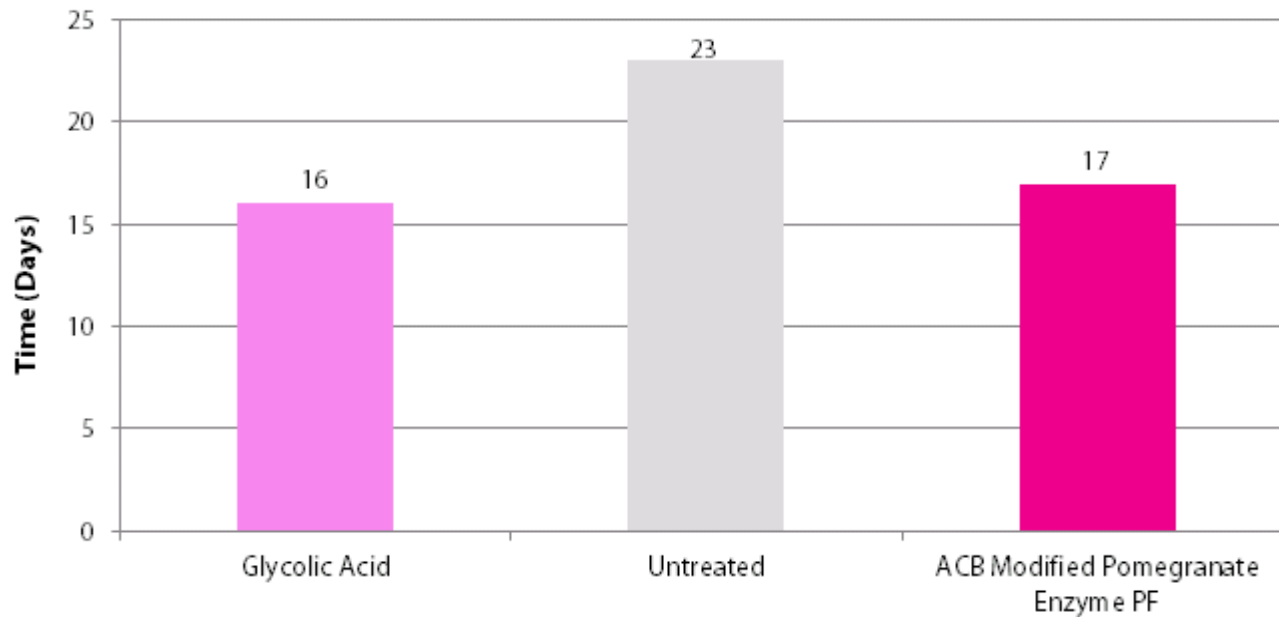


Figure 2: ACB Modified Pomegranate Enzyme PF is comparable to Glycolic Acid at increasing the rate of cellular renewal.

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ACTIVE CONCEPTS LLC



THANK YOU