Active Concepts
Tomorrow's Vision... *Today!*®

ACB Cationic Glycoprotein PF Efficacy Data

Code: 20391PF
INCI Name: Lactobacillus/Eriodictyon Californicum Ferment Extract & Phospholipids
CAS #: 68990-14-7 & 8002-43-5
EINECS #: 273-580-8 & 232-207-2

Type of Study	Results
Assessment of Hair Characteristics	**ACB Cationic Glycoprotein PF** imparts benefits that tactilely and visually improve the sensorial assessment of typically thick, unruly or frizzy hair. This aqueous product is ideal for use in hair care formulations, especially in shampoos, conditioners and creams, to increase shine, hydration, and softness while smoothing the cuticle for hair that appears visibly healthier and tactilely more manageable.
Bella Rouge Hair Test	The results of the assessment indicate that when incorporated into a shampoo and conditioner, **ACB Cationic Glycoprotein PF** is capable of significantly improving hair characteristics. Overall, the treated half-head was measured as 25% "better" when compared to the baseline readings. When used in cleansing and conditioning products, **ACB Cationic Glycoprotein PF** improved shine, volume, dry combability, smoothness, thickness, hydration, softness and manageability by 30%, 25%, 60%, 60%, 50% and 50% respectively, in comparison to the baseline hair assessments. These results can be further supported by figures 1 through 10, where the treated half of the volunteer's head serves as a visual demonstration of hair that is shinier and smoother, and appears to have increased manageability.

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Free Chlorine Assay	Under the conditions of this assay, the test substance, **ACB Cationic Glycoprotein PF,** demonstrated very effective free chlorine binding action. This product is an excellent choice for hair care products designed for swimmers who come into contact with chlorine on a regular basis.
Moisturization Assay	**ACB Cationic Glycoprotein PF** was designed to provide moisturizing benefits, however with the present study we can confirm that this succulent botanical ingredient is not only capable of providing protective benefits but also ideal for moisturizing and skin hydrating personal care applications.
Tanning Assay	The results indicate that **ACB Cationic Glycoprotein PF** is capable of increasing both the rate and the level of tanning. **ACB Cationic Glycoprotein PF** was able to reach a maximum tan after 9 hours, while DHA alone reached a maximum tan after 24 hours. **ACB Cationic Glycoprotein PF** may therefore be useful in pre-tan treatment systems.

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