

PROTECSYL

Hair Cell Membrane Complex (CMC) protector



PROTECSYL is an extract from *Jatropha macrantha*, a native plant from Peru, well known for its medicinal properties.

It is designed to protect the inner hair architecture and prevent protein degradation.

PROTECSYL preserves the Cell Membrane Complex (CMC), supporting hair resistance and elasticity and improving weak and breakable hair.

INCI NAME

Propanediol, Aqua (Water), Hydrolyzed *Jatropha Macrantha* Bark Extract.

DOSE OF USE:

1-10%

SOLUBILITY:

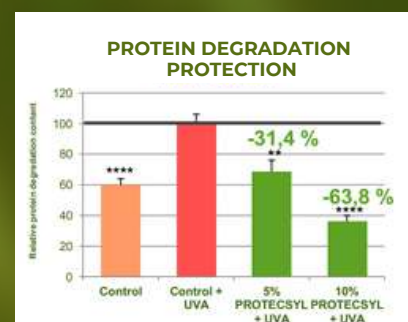
Hydrosoluble

PRESERVATIVE FREE

1. Hair proteins protective activity

Protective effects of 5% and 10% PROTECSYL on UVA-induced protein degradation on hair tresses.

UVA irradiation significantly increased protein degradation by 62.8%. PROTECSYL at 5% and 10%, significantly decreased protein degradation by 31.4% and 63.8%, respectively.

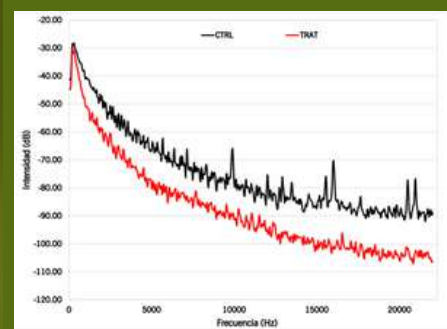


2. Evaluation of the hair friction through sound

The objective of this study was to evaluate the protective effects of a treatment with shampoo dosed with 2% PROTECSYL + 10% ampoules in reducing hair friction, through the translation of the surface roughness into musical sounds.

The decrease in friction is directly linked with smoothness hair, less roughness and the closing of the outermost cuticular layers. The hair strands treated with PROTECSYL presented a significantly lower sound Intensity values (meaning less frizz) in relation to placebo.

AVERAGE RESULTS OF FREQUENCY VS INTENSITY (DB) FOR CTRL AND TREATMENT GROUPS



MARKETING CLAIMS



HAIR PROTEINS PROTECTION & PRESERVATION



SPLIT ENDS REPAIR



HAIR STRENGTHENING



HAIR ANTI-BREACKAGE & COLOR PROTECTION



HAIR INNER ARCHYTECTURE PROTECTION



COSMOS ECOCERT

N a t u r a l l y E f f e c t i v e