

Green CAPB-B

Product:	Green CAPB-B	Color:	Yellowish
Code:	PA3131	Odor:	Weak odor
CAS Number:	61789-40-0	Solubility:	Fully soluble in water
INCI Name (CTFA):	Cocamidopropyl betaine	Appearance:	Clear Liquid

Free of any substance native of palm tree and produced by the natural oil of Babaçu, the Green CAPB-B is an innovative amphoteric surfactant. It confers to the formulations more flexibility, because requires a lower percentage of electrolytes (viscosity donor) in the final product.

This allows a reduction of the cloud point and more incorporation of actives without risk of phase separation. It is compatible with anionic, non-ionic and amphoteric surfactants.

Properties

The Green CAPB-B is obtained by the crude babaçu oil. This oil is rich in lauric, myristic and oleic fatty acids. This allows the actives products presents in the formulation to be better absorbed by the hair, enhancing its effects. In addition, the oil is known for its emollient properties and for its lightness in the hair fiber, being absorbed quickly without affecting its movement or leaving them oily. The Green CAPB-B has excellent dermal compatibility and associated with anionic surfactants, allow a synergistic reduction of irritability to the eyes and skin, brings a soft and creamy foam, besides that, it is naturally more viscous.

The product contains a maximum of 6.00% sodium chloride in its composition, water (62-66%) and 29-32% active.

Indications

Can be used in clear and pearly shampoos formulations, formulations for kids, shower gel, shower foam, liquid soaps.

Efficacy Tests

1. Objective test

Benefits:
Creamy foam
More stable foam

Methodology:
200g of a 3% solution of the Shampoo-Test, under agitation for 1 minute, evaluated after 5 minutes in stability.

Formulation:

Shampoo-Test with @1% of Cocamidopropyl Betaine - Green CAPB-B (A)

Shampoo-Test without Cocamidopropyl Betaine - Green CAPB-B (B)

Result:



A. With Green CAPB-B

B. Without Green CAPB-B

2. Comparative test

Benefits:

Alignment of the hair
Defrizz
Definition of curls
Long duration of effects
Volume Reduction

Methodology:

Wet the tresses and apply 3g of the test shampoo
Massage for 1 min. and rinse it off
Wait dry naturally and evaluate after 24 hours

Formulation:

Shampoo-Test with @1% of Cocamidopropyl Betaine - Green CAPB-B (A)

Shampoo-Test with @1% of Cocamidopropyl Betaine – Palm oil betaine (B)

Result:



Green CAPB-B

Palm Oil Betaine



Quality / Differential

Product of 100% Natural and Pure Origin

The actives of the CitroTech Line derive from crude oils, and retain in their composition all the qualities and properties of their parent compounds. Thus, one of the differentials to be highlighted from these products produced by Citróleo is that, during its production process, the oils of origin are not subjected to the refining stage. This type of technique degrades several biomolecules of high nutritional value, naturally present in vegetable oils and butters, such as vitamins (responsible for benefits like antioxidant power) and thermo sensitive carotenoids (which act to maintain the health of hair and skin). Which can harm the quality of the final products. Thus, Citróleo guarantees a competitive and innovative tensioactive full of all the benefits offered by the Brazilian Amazonian biodiversity.

Dosage / Usual Concentration

Hair care products: 1.0 – 5.0%

Skin care products: 1.0 – 8.0%