



Green Cocoamphoacetate B

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| Product: | Green Cocoamphoacetate B | Colour: | Yellowish |
| CAS Number: | 515861-22-0 | Odour: | Weak odor |
| Code: | PA 3155 | Solubility: | Fully soluble in water |
| INCI Name (CTFA): | Sodium Babassuamphoacetate | Appearance: | Clear Liquid |

Green Cocoamphoacetate B is an amphoteric surfactant for many types of applications including body and hair. Due to its 100% natural and palm oil free origin, it is perfectly adapted to formulations that require smoothness, such as babies and kids' products, reducing the quaternary ammonium content needed for hair conditioning. The product is compatible with anionic, nonionic and cationic surfactants, and improves the foaming and detergency power of the formulations.

Properties

The Green Cocoamphoacetate B produces stable and creamy foam besides ensures low irritability in cosmetic formulations. Derived from the non-refined babaçu oil, it carries all the benefits of the fatty acid chain from its origin product, such as lauric, myristic and oleic fatty acids. This leads to a high performance, lightness and complete absorption by the hair. The product contains a maximum of 7.00% sodium chloride in its composition, with an active matter of 35-40%.

Indications

Dosage/Usual Concentration

Hair care products: 1.0 – 5.0%

Skin care products: 1.0 – 8.0%

Green Cocoamphoacetate B can be used in hair and body cleansers, such as liquid and bar soaps, hair and body shampoos for kids, including milder and sulfate-free formulations. Green Cocoamphoacetate B can also be incorporated into facial cleansers such as shaving foams, also in tonics as it can promote a smoother and lower irritation cleansing and long-lasting foam.

Subjective Tests of Effectiveness

1- Comparative Test of Foaming Power

Benefits:

- Creamy Foam
- More stable foam
- Best benefit cost
- Same foam concentration with 50% less product

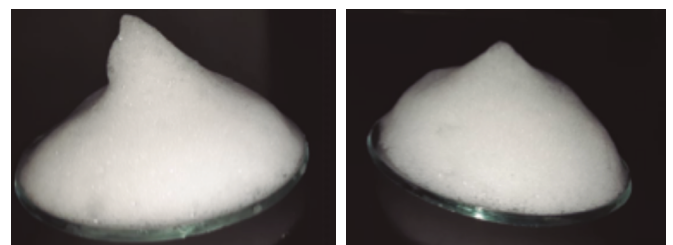
Methodology:

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

Formulations:

Shampoo-Test with @1,5% de Green Cocoamphoacetate B (A)
Shampoo-Test with @3% de Sodium Cocoamphoacetate – Palm Oil Derivative (B)

Results:



A

B

2-Comparative Test of Conditioning Power

Benefits:

- Hair alignment
- Formulation cost reduction
- Defrizz action
- Curl definition
- Long-lasting 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

Formulations:

Shampoo-Test with @1,5% de Green Cocoamphoacetate B (A)

Shampoo-Test with @3% de Sodium Cocoamphoacetate – Palm Oil Derivative (B)

Results:



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.