

AMINAT®-CB

PRESERVATIVE FOR COSMETICS

INCI name: Benzyl Alcohol (and) Glycerin (and) Ethyl Lauroyl Arginate HCl (and) Cinnamic Acid

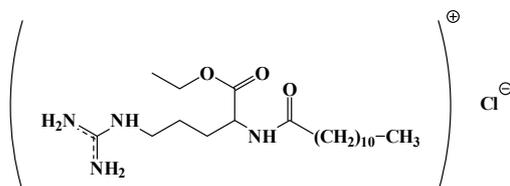
CHARACTERISTICS

AMINAT®-CB is based on LAE® (Ethyl Lauroyl Arginate HCl), Benzyl Alcohol, Glycerin and Cinnamic Acid.

AMINAT®-CB is a multifunctional product that can be used by personal care formulators as a preservative in creams, lotions, body milks, hair conditioners, wet wipes, among others. Additionally, it can provide smoothness to skin and hair because of its cationic nature.

AMINAT®-CB can be used in formulations certified ECOCERT and COSMOS. LAE® is a unique antimicrobial ingredient with cationic surfactant properties derived from natural occurring substances, L-arginine and lauric acid. LAE® is a molecule developed and synthesized by Lamirsa Group.

Chemical structure of LAE®:



CAS number: 60372 - 77 - 2

TECHNICAL DATA

Physical-chemical properties

Appearance	Transparent, slightly yellow liquid
pH (1% in de-ionized water at 20°C / 68°F)	3.3 ± 1.0
Viscosity at 20°C (68°F) (Brookfield RV, sp n°1, 50 rpm)	< 150 mPa·s
Density at 20°C (68°F)	1.08 ± 0.02 g/ml
Solubility	Dispersable in water, totally soluble in ethanol, glycerin and oil

APPLICATIONS

AMINAT®-CB is a suitable preservative blend for all types of personal care products. AMINAT®-CB is easy to incorporate into personal care formulations as it is liquid. It may be added in the emulsion at any stage of the manufacturing process, in the aqueous phase, in the oil phase, during emulsification or after cooling down.

Microbiological studies have shown that AMINAT®-CB is a very effective preservative in concentrations of 0.5-1.5% in all kinds of formulations.

Type of formulation	Recommended dosage
Sunscreens	0.5-1%
Body milks	0.5-1%
Make-up removing milks and liquids	0.25-1%
Facial products	0.5-1%
Shampoos	0.5-1.5%
Hair conditioners	0.25-0.75%
Wet wipes	0.75-1.5%

Due to its cationic surfactant properties, LAE® provides additional smoothness to hair and skin and improves the skin natural defense against pathogens, besides an excellent formula preservation.

Maximum doses allowed for different countries are available upon request.

ADVANTAGES

AMINAT®-CB combines the outstanding activity of LAE® with the benzyl alcohol and cinnamic acid. Both ingredients reinforce the properties of LAE®.

LAE® combines a high antimicrobial efficacy with low toxicity, non-sensitizing and non-skin irritating features. Additionally, the molecule is rapidly metabolized in the human body by chemical and metabolic pathways, breaking the molecule into natural compounds which are common in the human diet. Therefore, LAE® offers an excellent toxicity profile which is confirmed by its approval as food preservative.

Therefore, AMINAT®-CB is an excellent alternative to traditional preservatives.

PACKAGING

AMINAT®-CB is available in 5 or 25 kg packaging.

STORAGE AND SHELF LIFE

Store between 4-30°C (39-86°F). Avoid temperatures above 30°C (86°F). Keep containers tightly closed in a dry, cool place, protected from exposure to direct sunlight. Under such conditions, the shelf life of the product is 18 months.

The information contained in this bulletin cannot be taken as a basis of guarantee or liability. VEDEQSA is not responsible for the inappropriate use of this product. Technical data review: 14/06/2018.



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