Antioxidants

Product Information

dermofeel® PA-12

Product features:

- Chelator for Cosmetic Formulations
- natural origin
- biodegradable replacement for EDTA
- colour stable powder material
Antioxidants

dermofeel® PA-12

The product line dermofeel® products comprise a carefully chosen line of emulsifiers, functional oils and antioxidants for cosmetic and dermatological applications. The well balanced product profiles are tailored to meet as many requirements of modern cosmetic concepts as possible. Functionality and technical performance are the main focus for the development of the dermofeel® product line. Wherever possible we choose raw materials from sustainable sources in order to comply with this important trend for an increasing number of consumer products.

dermofeel® PA-12 is an effective natural chelator

dermofeel® PA-12 is used in combination with typical antioxidants (tocopherol, ascorbyl palmitate) in all types of formulations that are susceptible for oxidation reactions to protect valuable ingredients like unsaturated oils or fragrance components. In rinse-off products dermofeel® PA-12 is used to maintain the foaming properties in the presence of hard water or to prevent precipitation of insoluble salts of fatty acids in soaps.

Less biodegradable chelators like EDTA are mobilizing toxic heavy metals from sediments in sewer systems or waterways. These metals can then re-enter the food chain and subsequently pose a risk for humans and their natural food source. As a natural ingredient dermofeel® PA-12 is readily biodegradable. The environmental risk of mobilization of heavy metals is therefore minimized.

Application
dermofeel® PA-12 can be added to the water phase during every step in the production phase. Aqueous solutions of dermofeel® PA-12 have a strong alkaline pH. It has to be noted that depending on the dosage the addition of dermofeel® PA-12 can increase the pH of a formulation. This effect needs to be compensated when alkaline sensitive materials are applied in the water phase in the same step of the manufacturing process.