

AC Alg-MoistEAU AB



BACKGROUND

AC Alg-MoistEAU AB is produced from an algae specifically adapted to the sea changing conditions. AC Alg-MoistEAU AB is primarily used for texture modification and thickening of cosmetic systems. Its high tolerance to salt makes it ideal for salt thickened systems, such as shampoos, or water in silicone emulsions. In addition, it can be used for moisturizing benefits in both skin and hair care.

SCIENCE

Chondrus Crispus, also known as Irish Moss, is a well-known species of red algae that can be found growing high on rocks along the ocean. It is used as a traditional herbal remedy in Ireland to treat respiratory disorders. The principle constituent in this type of algae is its mucilaginous body that is made up of the polysaccharide carrageenan, which makes up ~55% of its weight. It is commonly used as a thickening agent in a variety of industries. While the introduction of up to 1% salt results in improved viscosity, enhancing its thickening properties, higher electrolyte levels are not detrimental. Please note that while the material is compatible with most solvents it is not soluble in silicone fluids, esters, or SLES. However with proper formulation considerations it may be incorporated into systems containing these materials without difficulty.

BENEFITS

For skin care applications AC Alg-MoistEAU AB will deliver perceivable skin tightening as well as substantial hydration. These effects leave the skin feeling smooth and supple. For hair care applications AC Alg-MoistEAU AB will act as a film former providing natural conditioning benefits. These benefits are realized as increased gloss and improved body.

EFFICACY

An *in-vivo* study was conducted to evaluate the moisturization benefits of AC Alg-MoistEAU AB. Ten M/F subjects between the ages of 23-45 participated in the study. The results indicate that AC Alg-MoistEAU AB is capable of providing a significant increase in moisturization when compared to the untreated and positive control, which is aloe vera. AC Alg-MoistEAU AB is the perfect addition to any formulation to enhance the feel, provide moisturization, gloss the hair and add a thickening effect, if preferred.

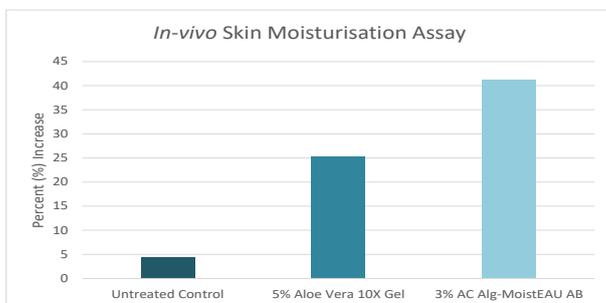


Figure 1. Increase in skin moisturisation when using 3% AC Alg-MoistEAU AB compared to 5% Aloe Vera 10X Gel

Code Number: 20222AB

INCI Name: Water & Chondrus Crispus Extract

INCI Status: Conforms

REACH Status: Complies

CAS Number: 7732-18-5 & 244023-79-8

EINECS Number: 231-791-2 & N/A

Origin: Botanical

Processing:

- GMO Free
- No Ethoxylation
- No Irradiation
- No Sulphonation

Additives:

- Natural Antimicrobial: Populus Tremuloides Bark Extract
- Preservatives: None
- Antioxidants: None
- Other additives: None

Solvents Used: Water

Appearance: Light Tan Viscous Liquid

Soluble/ Miscible: Water & Alcohol

Microbial Count:

< 100 CFU/g, No Pathogens

Suggested Use Levels: 3.0 – 5.0%

Suggested Applications:

Thickening, Improved Feel, Moisturizing, Hair Gloss

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