



Kem DHA

INCI composition: *Benzyl Alcohol*
Dehydroacetic Acid
Water

Appearance: Clear pale yellow liquid

Description

Kem DHA is a broad spectrum preservative blend based on nature-identical substances. System representing a gentle and efficacious alternative in cosmetic preservation, designed to replace other preservatives which are currently questioned. With global approval in personal care products, Kem DHA can be used for the protection of a wide range of cosmetics with slight acidic pH.

Kem DHA is permitted in natural and organic cosmetics in accordance with main certification standards (Ecocert, Soil Association, BDIH, AIAB, Natrue).

Antimicrobial activity

Kem DHA is a balanced combination of the antibacterial benzyl alcohol with the antifungal dehydroacetic acid. Provide effective protection against Gram-negative and Gram-positive bacteria as well as against yeasts and molds. Due to the presence of an organic acid, the antimicrobial activity increases when the pH is lowered, with the best effect at acid pH below 6.5.

Properties and stability

Kem DHA is very soluble alcohol, freely soluble in propylene glycol, slightly soluble in water. May tolerate working temperature upto 80°C. To be used in formulations with acidic pH upto 6.5 maximum.

Applications

Kem DHA can be used to protect a variety of cosmetics against microbial growth, particularly aqueous systems, surfactants, emulsions and oils. It is also allowed for use as synthetic preservative in natural cosmetics according to main certification bodies.

Typical personal care applications include:

- *Hair care:* gels, shampoos, lotions, conditioners, mousses.
- *Body & face care:* serums, tonics, gels, lotions, creams, wipes.
- *Make-up:* foundations, wipes, powders.
- *Shaving products:* shave soaps, gels, aftershave balms, lotions, creams.
- *Sun products:* sunscreens, suntans, aftersuns.
- *Bath products:* shower gels, bubble baths, handcleaners, intimate, oils, powders, wipes.
- *Baby care:* shampoos, bath products, lotions, creams, oils, powders, wipes.
- *Raw materials:* surfactants, vegetal extracts.

Use levels

Kem DHA may be used at concentrations of 0.2-0.8% with no additional preservatives.

Regulatory approval

The components of Kem DHA were extensively tested and used in cosmetics, pharmaceuticals and foods. The global regulatory acceptance allows to formulate cosmetics for worldwide distribution and for natural market.

Kem DHA is approved worldwide (*EU, USA, Brazil, Japan, ASEAN*) in cosmetics for both rinse-off and leave-on. Not allowed in products to be aerosolized in *EU, Brazil, ASEAN*.

Technical support

Challenge testing service is offered to customers; the optimal preservation is suggested on the basis of tests conducted on customer formulations.

For further information, documentation and sample please contact us.