

We also offer...

Aevum Vita 167

INCI: propanediol

A multipurpose ingredient for cosmetics derived from renewably sourced GMO-free glycerol. Aevum Vita 167 functions as an emollient, humectant, preservative booster, viscosity enhancer and solvent, as well as improving the sensory properties of cosmetic formulations.

Aevum Vita 300

INCI: aqua, lactic acid, phenylpropanol, citric acid, tartaric acid, gluconic acid

An aqueous blend of naturally occurring fruit acids which provides humectancy, enhances the stability of formulations, as well as imparting a delicate floral scent. Aevum Vita 300 has powerful antimicrobial properties, ideal for self-preserving cosmetic products.

Aevum Vita 595

INCI: polyacrylamide, C13-14 isoalkane, laureth-7

An inverse emulsion thickener which imparts noticeable sensory benefits to the end product. Supplied as a pre-activated low viscosity liquid, Aevum Vita 595 is suitable for aqueous and non-aqueous compositions, hot or cold processes, and can be used over a wide pH range.



All of our products come with complimentary support from our fully equipped in-house microbiology laboratory.

Services include:

European Pharmacopoeia (EP) Challenge Test
USP Challenge Test
ISO PET Test
Total Viable Count (TVC) Test

Discover our full range at www.iscaguard.com



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Aevum Vita 406

INCI: Sodium Caproyl/Lauroyl Lactylate (and) Sodium Citrate



A mild, naturally derived surfactant with antimicrobial properties.

Key Features:

- Reduces or eliminates preservatives.
- Eco label compliant.
- Excellent foaming characteristics.
- Hot or cold processes.
- pH range: 4.0 - 8.5


aevum



Antimicrobial Efficacy

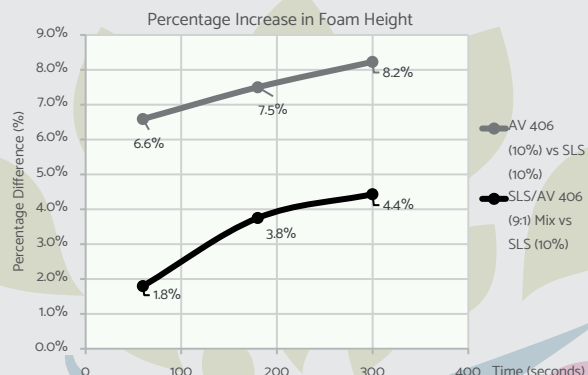
Aevum Vita 406 is a surfactant which possesses significant antimicrobial activity. The antimicrobial efficacy is increased at lower pH levels.

Minimum Inhibitory Concentration (MIC) Results	
Microorganism	MIC (%)
Gram negative bacteria	
Pseudomonas aeruginosa	1.0
Escherichia coli	0.5
Gram positive bacteria	
Propionibacterium acnes	0.25
Staphylococcus aureus	0.25
Yeasts	
Candida albicans	<0.2
Malassezia furfur	0.2
Moulds	
Aspergillus brasiliensis	0.8

Foaming Properties

Foam height and decay of Aevum Vita 406 was tested using Ross Miles apparatus under standard test conditions. Each surfactant (Aevum Vita 406 and Sodium Lauryl Sulphate) was tested as a 10% aqueous solution based on active content. The dilute solutions were dropped from a fixed height into a reservoir of the same dilute solution. The foam height was measured over a period of five minutes.

Aevum Vita 406 gave a greater volume of foam, and better foam stability, than the equivalent solution of Sodium Lauryl Sulphate. In addition, Aevum Vita 406 can be used as a foam booster. A solution containing 9 parts of SLS to 1 part of Aevum Vita 406 produces a greater amount of foam than using SLS solution alone.



Anti-Dandruff Shampoo

Many factors can cause or contribute to dandruff. However, the most common cause of dandruff is Malassezia fungus present on the scalp. Traditional anti-dandruff actives are synthetic, insoluble in water and often have toxicity issues. Since Aevum Vita 406 shows significant antimicrobial activity against Malassezia furfur, it is suitable as a mild, naturally derived, water soluble active. Sensory testing of our shampoo bar yielded overwhelmingly positive comments; regarding the soft and silky feeling, both in and after use, as well as its exceptional foaming.

Formulation: Liquid Anti-Dandruff Shampoo	
INCI name	% by weight
Sodium Laureth Sulphate (27%)	55.56
Aqua	24.77
Cocoamidopropyl Betaine (30%)	16.67
Hydroxyethylcellulose	2.00
Coconut Oil	1.00
Aevum Vita 406	0.50
Lupine Extract	0.50

In a standard time kill suspension test, both liquid and solid Aevum Vita shampoo gave a 99.99% reduction in Malassezia furfur within 30 seconds.

Formulation: Anti-Dandruff Shampoo Bar	
INCI name	% by weight
Sodium Laureth Sulphate	84.00
Castor Oil	4.00
Coconut Oil	4.00
Almond Oil	4.00
Dandelion Infusion	1.00
Aevum Vita 406	2.00
Lupine Extract	0.50
Grapefruit Essential Oil	0.50

Luxury Hand Soap Bar

Our sweet almond, lavender and seaweed soap bar incorporates Aevum Vita 406 at 2% as both a preservative and a feel-enhancer.

In blind testing, the majority of volunteers, without prompt, described their hands as feeling “soft” or “smooth”, and commented that the soap without Aevum Vita 406 did not lather as well.

Formulation: Luxury Hand Soap Bar	
INCI name	% by weight
Ricinus Communis Seed Oil	21.0
Cocous Nucifera Oil	21.0
Aqua	19.0
Prunus Amygdalus Dulcis Oil	22.5
Sodium Hydroxide	13.0
Lavandula Angustifolia Oil	0.5
Aevum Vita 406	2.0
Algae Extract	0.5
Sodium Stearate	0.5

