

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 406

INCI: sodium caproyl/lauroyl lactylate, sodium citrate

A mild and naturally derived surfactant for use in cosmetic and personal care products. As a PEG-free anionic surfactant with excellent foaming properties, it is ideally suited for use in baby shampoos, skin friendly hand washes and natural product formulations. Aevum Vita 406 also exhibits antimicrobial properties, enabling the reduction or elimination of preservatives.



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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ISCA Iscaguard  

Aevum Vita 595

INCI: polyacrylamide, C13-14 isoalkane (formerly C13-24 isoparaffin), laureth-7



A pre-activated, inverse emulsion thickener which imparts sensory benefits to formulations.

Key Features:

- Stabilising and texturing properties
- Easy to use, pre-activated liquid
- High reproducibility and compatibility
- Suitable for aqueous and non-aqueous formations
- Suitable for hot and cold processes



Suitable Applications

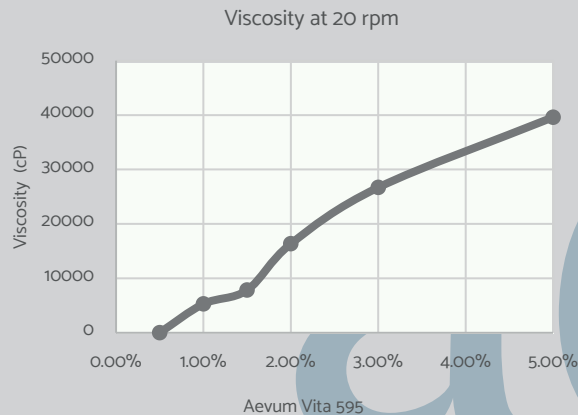
Aevum Vita 595 is suitable for a wide range of formulations. Depending on the rheological requirements of the end product, we recommend a dosage of 0.1-3.0%. According to the EU Cosmetic Regulations, there is no maximum limit.

Recommended Applications	ISCA recommendation
Shampoo, Shower gel (rinse-off)	0.1-3.0%
Creams, lotions (leave-on)	0.1-3.0%
O/W emulsions	✓
W/O emulsions	✓
Wet wipes	✓
Eye care	✓
Lip care	✓
Oral care	✓
Children under 3	✓

Aevum Vita 595 is not suitable for formulations containing high levels of salt.

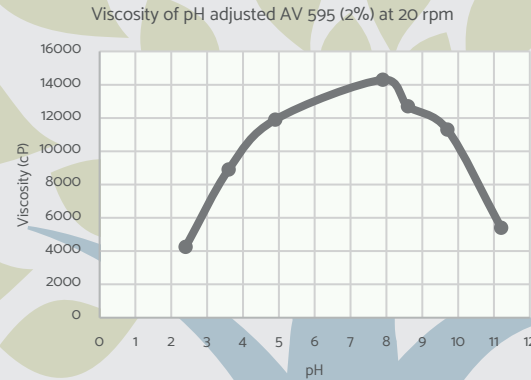
Viscosity Profile

The viscosity profile of Aevum Vita 595 is linear. At low dosage, Aevum Vita 595 is suitable for adding a light texture to high water content formulations, such as wet wipe solutions. Conversely, a higher dosage can produce a very thick, butter-like consistency.



Effect of pH on Viscosity

Aevum Vita 595 can be used effectively within the pH range 4 - 10. The viscosity falls dramatically outside of this range due to the increased presence of salts. The below graph shows the viscosity of Aevum Vita 595 solutions when the pH is adjusted using NaOH (10% solution) and citric acid respectively.



Aloe Vera Hand Cream

A range of moisturising creams have been developed, utilising both the rheological and sensory properties of Aevum Vita 595. The range consists of face cream, sun cream, hand cream and body cream. To achieve the desired viscosity, the dosage of Aevum Vita 595 ranges from 2 to 4%. Aevum Vita 595 proved compatible with a range of cosmetic ingredients including UV filters and natural extracts. In blind sensory testing, the hand cream performed similarly to an identical formulation thickened with carbomer (1% solution) in terms of spreadability, stickiness, absorption and skin softness.

Formulation: Luxury Aloe Hand Cream	
INCI name	% by weight
Aqua	73.8
Coconut Oil	8.0
Aloe Vera Barbadensis Water	5.0
Glyceryl Stearate SE	5.0
Glycerol	4.0
Aevum Vita 595	3.0
Iscaguard PEG	1.0
Vitamin E	0.2

Stability Testing

Accelerated stability testing was conducted at 40 °C for six months. Viscosity was measured using a Brookfield Rheometer. The decrease in viscosity was within the expected range for storage under such harsh conditions.

Formulation	Viscosity at 20 rpm (cP)	
	1 month	6 months
Face cream (2%)	35,500	24,700
Sun cream (2%)	25,800	23,400
Hand cream (3%)	36,650	23,650
Body cream (4%)	35,505	25,400

All creams were stored in white plastic screw top jars made from polypropylene (PP) plastic. No visual changes were observed at any time over the 6 month test period.



Rose Cleansing Milk

Our gentle rose, pomegranate and fig cleansing milk is a rose hydrosol based product which utilises Aevum Vita 595 as a thickener and feel enhancer, imparting its smooth, silky texture. Dosed at 1.25%, the cleansing milk feels light and is easily absorbed.

Viscosity at 20 rpm: 4850 cP, pH: 5.3

Formulation: Rose Cleansing Milk	
INCI name	% by weight
Rose Hydrosol	84.75
Aqua	10.3
Aevum Vita 595	1.25
Pomegranate Seed Oil	1.0
Fig extract	1.0
Iscaguard PEG	0.8
Squalene	0.5
Vitamin E	0.4