

We also offer...

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.

Aevum Vita 532

INCI: sodium acrylate/sodium acryloyldimethyl taurate copolymer, C15-19 alkane, lauryl glucoside

An anionic, inverse emulsion thickener and texturing agent, containing more than 65% natural origin content. Aevum Vita 532 is suitable for a wide range of formulations and imparts a soft, light feel to end 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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ISCA Iscaguard  

Aevum Vita 525

INCI: ammonium polyacryloyldimethyl taurate



An anionic thickener which can be used to create clear gels, or medium viscosity emulsions with a silky soft feel.

Key Features:

- Stabilising and texturing properties
- Provides foam stability
- Easy to use, easily dispersed
- Electrolyte resistance
- Suitable for rinse-off and leave-on



Suitable Applications

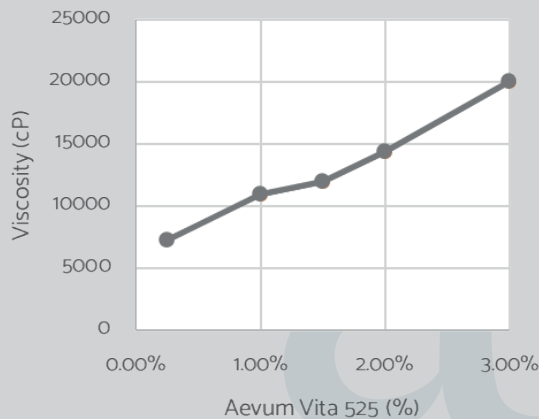
Aevum Vita 525 is suitable for a wide range of formulations. Depending on the rheological requirements of the end product, we recommend a dosage of 1.0-3.0%. According to the EU Cosmetic Regulations, there is no maximum limit.

| Recommended Applications | ISCA recommendation |
|---------------------------------|---------------------|
| Shampoo, Shower gel (rinse-off) | 1.0-3.0% |
| Creams, lotions (leave-on) | 1.0-3.0% |
| O/W emulsions | ✓ |
| W/O emulsions | ✓ |
| Wet wipes | ✓ |
| Eye care | ✓ |
| Lip care | ✓ |
| Oral care | ✓ |
| Children under 3 | ✓ |

Viscosity Profile

At low dosage, Aevum Vita 525 is suitable for adding a light texture to high water content formulations, such as wet wipe solutions. Conversely, a higher dosage can produce a viscous gel-like product, where viscosity increases linearly.

Viscosity at 20 rpm

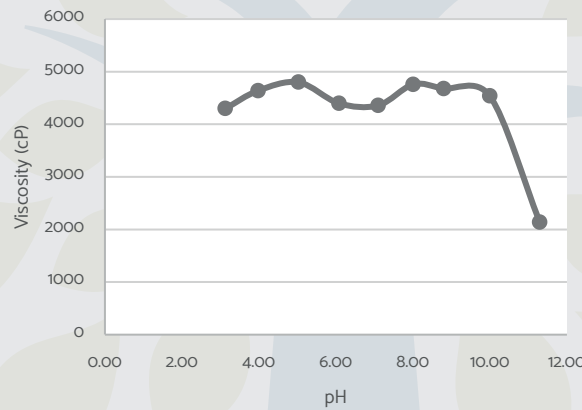


Electrolyte Resistance

Aevum Vita 525 has excellent electrolyte resistance and is therefore suitable for high salt content formulations. Viscosity stable over pH, although it is recommended to use below pH 8.5 to avoid the liberation of ammonia.

At 2% Aevum Vita 525 in water, there is <1% drop in viscosity when 0.1% sodium benzoate or 0.1% potassium sorbate is added. A 38% drop in viscosity was noted on the addition of 1% sodium chloride.

Viscosity Profile over pH - 1% AV 525



Caffeine Eye Gel

Aevum Vita 525 is suitable for gel formulations.

| Ingredient | % |
|-----------------------|-------------|
| Aqua | 95.7 |
| Aevum Vita 525 | 2.00 |
| Aquaguard NK12 | 0.60 |
| Aevum Vita 167 | 0.50 |
| Squalane Extract | 0.50 |
| Methylsulfonemethane | 0.50 |
| Hyaluronic Acid | 0.10 |
| Caffeine | 0.10 |
| Citric Acid to pH 5.5 | q.s. |

Sensory Testing

Our caffeine and hyaluronic acid eye gel was blind tested on a group of 20 volunteers. Volunteers rated the gel based on five factors. The positive after-feel rating (8 out of 10) is characteristic of Aevum Vita 525.



Based on the average of triplicate readings, our eye gel gave 206% increase in skin hydration after 5 minutes, and 130% after 10 minutes.

Seeded Face Mask

Aevum Vita 525 has been shown to be a suitable suspending agent through our massaging face gel, suspending 1% chia seeds in Aevum Vita 525 at 2%. This has been repeated with fennel, jojoba and walnut seeds.

| Ingredient | % |
|-----------------------|-------------|
| Aqua | 92.75 |
| Methylsulfonemethane | 2.50 |
| Aevum Vita 525 | 2.00 |
| Iscaguard PEG | 1.00 |
| Chia Seeds | 1.00 |
| Glycerin | 0.50 |
| Chamomile Extract | 0.25 |

Microbiome Conscious

A balance test predicts how an active may affect the skin's microbiome. Using *S. aureus* and *S. epidermidis* in-vitro, results show Aevum Vita 525 does not significantly change the balance of the skin microbiome under experimental conditions.