

# Aevum Vita 300

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural Compliant
✓	✓	✓	✓	✓

## INCI declaration

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

Aevum Vita 300 is an aqueous blend of naturally occurring fruit acids, which offers multiple benefits to the cosmetic formulator. It provides humectancy and skin conditioning properties, as well as enhanced stabilisation due to its chelating and buffering effects. The presence of naturally sourced phenylpropanol imparts a delicate floral scent to end products, and its combination with tartaric acid helps to mask the odour of less pleasant smelling ingredients. Additionally, Aevum Vita 300 has powerful anti-bacterial and anti-fungal properties, allowing the creation of self-preserving formulations.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	1.0 – 1.5 %	Not regulated (Annex V)
Rinse-off	1.0 – 1.5 %	Not regulated (Annex V)

In use concentrations vary according to the formulation type and other ingredients present. The correct use dosage should be determined by microbial challenge testing of the finished formulation (ISCA UK offers discounted challenge testing to our customers).

## Recommended Applications

Shampoo, Shower gel (Rinse-off)	Creams, Lotions (Leave-on)	Hair Care	Deodorants	Wet wipes	Eye care	Lip Care	Oral care	Children under 3
•	•	•	•	•		•	•	•

Use scenarios derived from evaluation of Cosmetic Regulation guidelines and preservative performance for typical formulations.

## Formulation guidelines

pH (effective range)	2.0 – 6.0
Solubility (Water)	Fully soluble
Solubility (Glycols)	Fully soluble
Maximum Process Temperature	80 °C (avoid prolonged periods at high temperature)
General information	Aevum Vita 300 is suitable for use in wide range of rinse-off and leave-on formulations, and is compatible with most personal care ingredients. The antimicrobial efficacy of Aevum Vita 300 increases as its pH decreases. It is therefore suitable for use in formulations with acidic pH values, but will lose its efficacy as the pH approaches neutrality.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
<b>Bacteria (gram-negative)</b>	
Pseudomonas aeruginosa	< 0.05
Escherichia coli	0.1
<b>Bacteria (gram-positive)</b>	
Staphylococcus aureus	0.1

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
<b>Yeasts</b>	
Candida albicans	0.6
<b>Moulds</b>	
Aspergillus brasiliens	0.5

Physical Properties (approximate)	
Appearance	Clear to light yellow liquid
Odour	Mild floral odour
Density	1.16 gcm <sup>-3</sup>


Physical Properties (approximate)	
Solubility in water	Fully soluble
Solubility in glycols	Fully soluble
pH value	< 2.0

### Safety information

#### Cosmetic Regulation labelling requirements

No special labelling requirements.

Transport information	
	IMDG
UN number	-
UN proper shipping name	Not dangerous goods
Transport hazard class	-
Packing group	-
Environmental hazards	-

Hazard classification/labelling	
Hazard pictograms	
Signal word	Danger
Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage.