

PRODUCT INFORMATION

The VERSTATIL range – Verstatil BL non GMO

Economy meets efficacy.

Safety first for tight budgets!

VERSTATIL products feature:

- ❖ economic & reliable preservation
- ❖ NO parabens
- ❖ NO formaldehyde-releasers
- ❖ NO halogenorganic compounds
- ❖ globally approved raw materials

and now also:

- ❖ NO phenoxyethanol

Verstatil BL non GMO

Preservation of cosmetic products is of critical importance for consumer safety. Consequently, a large number of substances only dedicated to fight microorganisms is available to protect a cosmetic product from microbiological deterioration. These preservatives are complemented by multifunctional additives with antimicrobial properties

Choosing the right preserving system out of this diversity is a challenging task for the developer of a cosmetic product. Competing interests of marketing departments searching for new claims, regulatory departments looking for globally approved raw materials, procurement departments considering the economic interest of the company and the formulator's own interest in easiness of formulation are influencing the search for the best preservation system.

From the vast number of antimicrobials, Dr. Straetmans with its long year experience in the field of cosmetic preservation has screened systems of proven antimicrobial efficacy and world-wide approval.

Our guiding idea in looking for the right systems was:
Safety first!

Regulatory	Marketing
<ul style="list-style-type: none">- toxicologically safe- legally safe	<ul style="list-style-type: none">- safe claims- save time to market
Verstatil	
<ul style="list-style-type: none">- safe preservation- safe formulation	<ul style="list-style-type: none">- save money- safe supply
R&D	Procurement

We have looked into well-established blends and identified possibilities to reduce the number or quantity of preservatives in these formulations. We have combined well established preservatives with modern multifunctional additives to exploit synergies. We have identified weak-points of preserving systems and substituted them by better acting raw materials.

The result is a range of meaningful blends designed to serve your and your customer's safety.

Verstatil protects the broad variety of possible cosmetic formulations against microbiological deterioration.

Verstatil consists of globally approved raw materials

Verstatil offers reliable preservation for low costs

Verstatil promises: no parabens, no formaldehyde, no chemically acting preservatives with sensitizing potential

Verstatil offers now the possibility to develop without phenoxyethanol

Verstatil means low impact on the stability and appearance of a cosmetic formulation

Verstatil BL non GMO

INCI: Aqua, Sodium Levulinate, Sodium Benzoate

Verstatil BL non GMO the **new** easy-to-use preservative blend, combining the well known preservative sodium benzoate and the multifunctional skin conditioner sodium levulinate in a mild and safe preserving blend especially suited for surfactant and water-based products. The combination of organic acid salts at a use level between 1,5 – 2,5% provides a reliable performance against all relevant germs.

All components of **Verstatil BL non GMO** are approved for natural cosmetic by Ecocert, Cosmos and Natrue. Therefore this blend can be used as a cost effective preservative system for certified natural rinse-off formulations, tonics or wet wipe solutions.

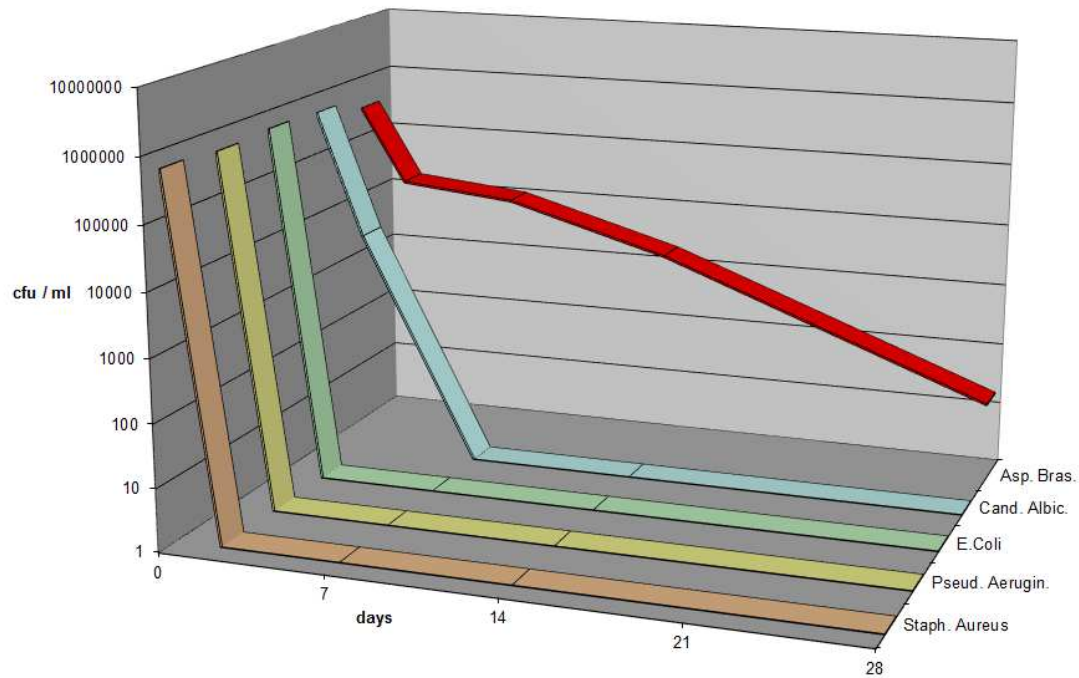
Verstatil BL non GMO as a liquid may be added to the formulation at any step of the process. Moreover, in contrast to sorbate/benzoate blends **Verstatil BL non-GMO** does not tend to alter the colour of surfactant based products.

Verstatil BL non GMO is most effective at pH between 4,5 – 5,5, however, synergistic effects in combination with preserving boosters e.g. Glyceyl Caprylate have also been observed higher pH.

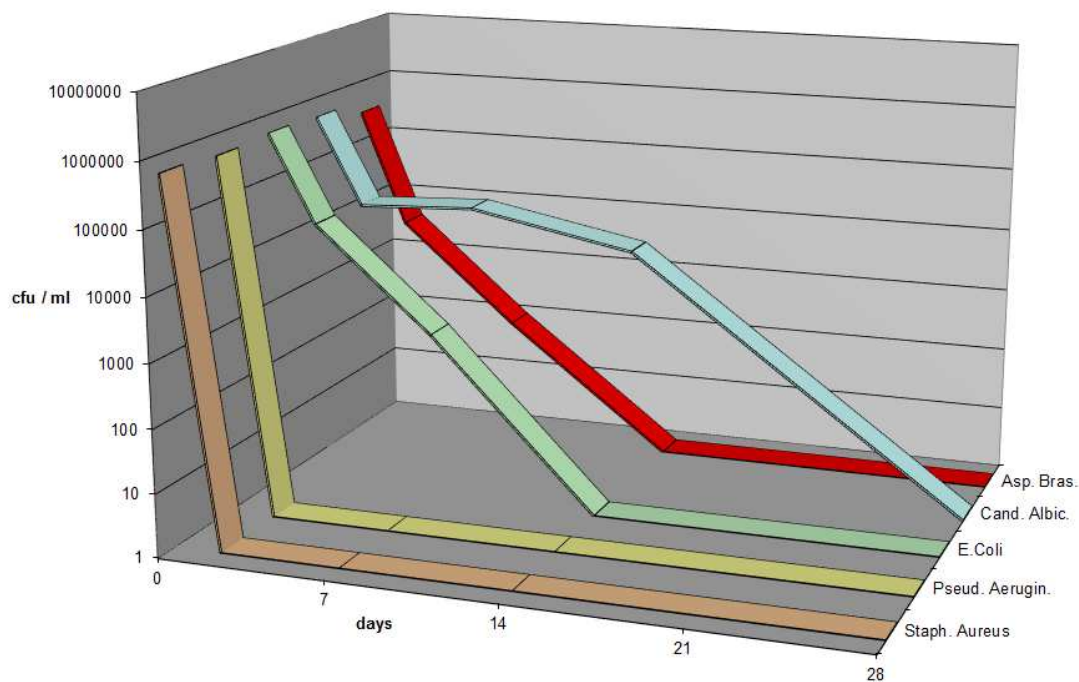
Characteristics of Verstatil BL non GMO				
Appearance	Clear, colorless liquid			
INCI	Aqua, Sodium Levulinate, Sodium Benzoate			
Recommended use level	1,5 – 2,5%			
Max. permitted use level according to 1223/2009/EC	~5%			
pH-range	4,0 – 6,0			
Efficacy spectrum ● very good ● sufficient ● insufficient	Gram+	Gram-	Yeast	Mould
	●	●	●	●
Efficacy spectrum ● very good ● combinations with other preserving systems may be required ● insufficient	emulsions	tonics	gels	surfactant
	●	●	●	●
Regulatory status	CTFA, EU, CLS, AICS, DSL			
Natural Cosmetic Standards	Ecocert, Cosmos, Natrue			

Verstatil BL non GMO

Tonic with 1,5% **Verstatil BL non GMO** at pH 5,2



Surfactant base 1,5% **Verstatil BL non GMO** at pH 5,2



Verstatil BL non GMO

Formulations with our products are available for both, traditional and natural cosmetics concepts. Please refer to the Dr. Straetmans homepage for formulation inspirations.

Toxicology

Verstatil BL non GMO is not irritating, not sensitizing and does not contain genetically modified material, dioxine, phthalates, BSE-related material or CMR-material.

Packing units

Verstatil BL non GMO is available in 25 kg cans, 200 kg barrels and 1000 kg IBC.

Environmental Information

Verstatil BL non GMO is produced in an environmentally and toxicologically unobjectionable process by mixture of the active materials.

Handling and storage

In closed original containers **Verstatil BL non GMO** can be stored for at least 1 year. **Verstatil BL non GMO** does not need to be preserved.

For further information contact our Dr. Straetmans sales team:

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or your local representative.

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