

PRODUCT INFORMATION

The VERSTATIL range – Verstatil BOB

Economy meets efficacy.

Safety first for tight budgets!

VERSTATIL products feature:

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

and Now also:

- ❖ NO Phenoxyethanol

Verstatil BOB

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 offer now the possibility to develop without Phenoxyethanol

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

Verstatil BOB

Verstatil BOB is the new and economic all-rounder when it comes to modern preservation showing excellent activity against all microorganisms and being suitable for almost any type of cosmetic product. The well adjusted mixture of two listed preservatives, Benzyl Alcohol and Benzoic Acid combined with the boosting activity of Caprylyl Glycol answers the question how to safely and mildly preserve cosmetic products without parabens, MIT- or phenoxyethanol.

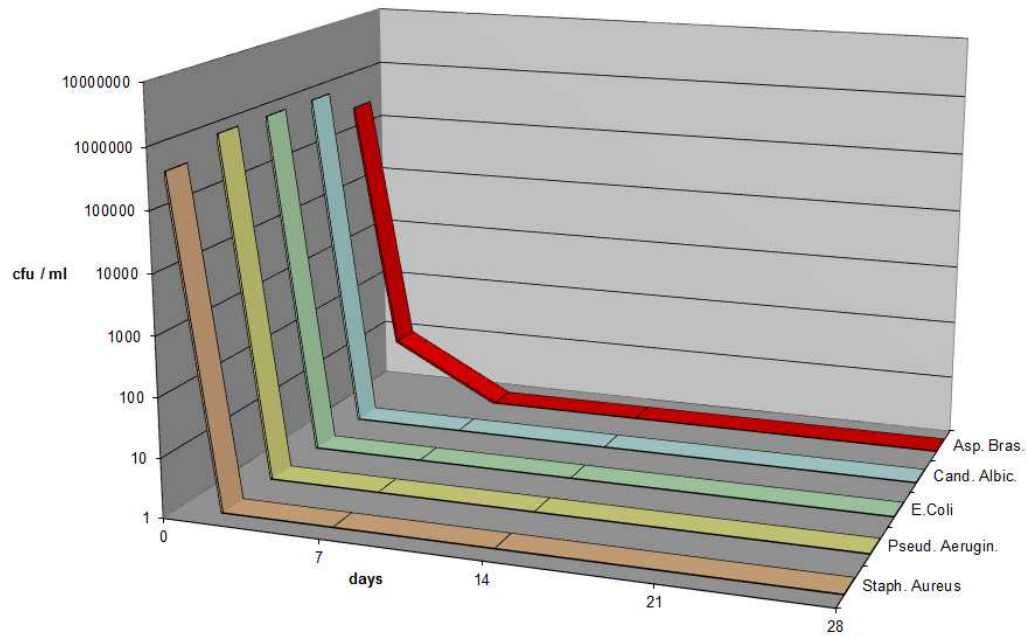
Verstatil BOB offers flexibility to work at a wide range of pH between 3 – 8 and is suitable for all types of cosmetic formulation, from emulsions to water-based products like tonics and gels and even surfactants. No further combination with other antimicrobials is needed.

Verstatil BOB is composed of globally approved raw materials with well established toxicological profiles. The product is readily biodegradable and of low environmental concern. All components of **Verstatil BOB** are already registered according to the REACH-legislation.

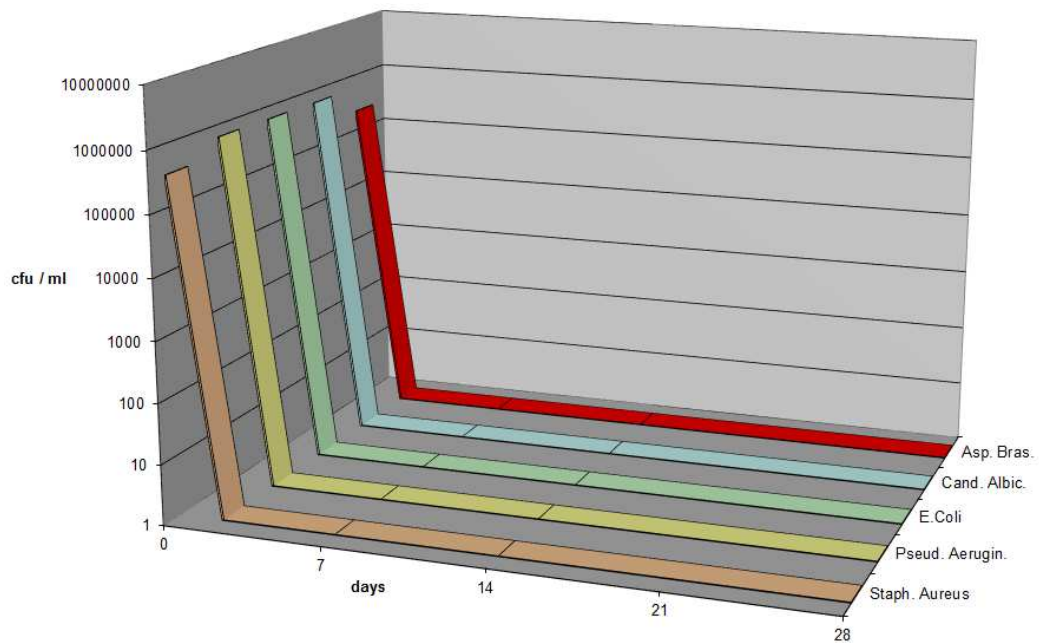
Characteristics of Verstatil BOB				
Appearance	Clear light yellow liquid			
INCI	Benzyl Alcohol, Caprylyl Glycol, Benzoic Acid			
Recommended use level Max. permitted use level according to 1223/2009/EC	0,8 – 2,0% ~ 2,2 %			
pH-range	4,0 – 7,0			
Efficacy spectrum ● very good ● sufficient ● insufficient	gram+	gram-	yeast	moulds
	●	●	●	●
Efficacy in formulation ● very good ● combinations with other preserving systems may be required ● insufficient	emulsions	tonics	gels	surfactant
	●	●	●	●
Regulatory status	CTFA, EU, CLS, AICS, DSL			

Verstatil BOB

Tonic Formulation with 1% **Verstatil BOB** at pH 5,3

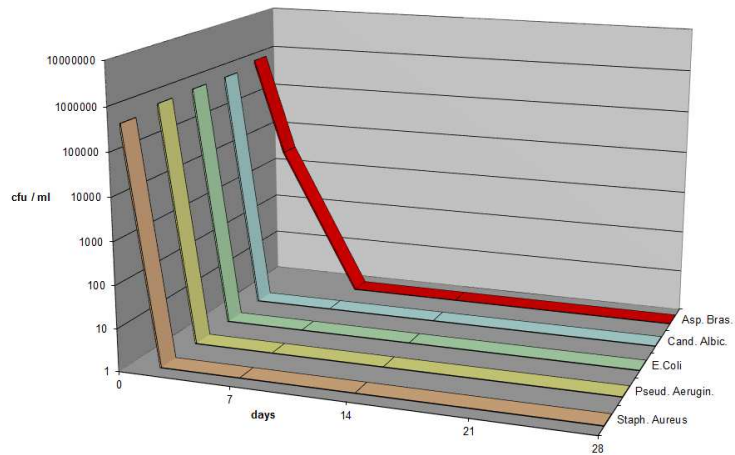


Hydrogel with 1% **Verstatil BOB** at pH 6

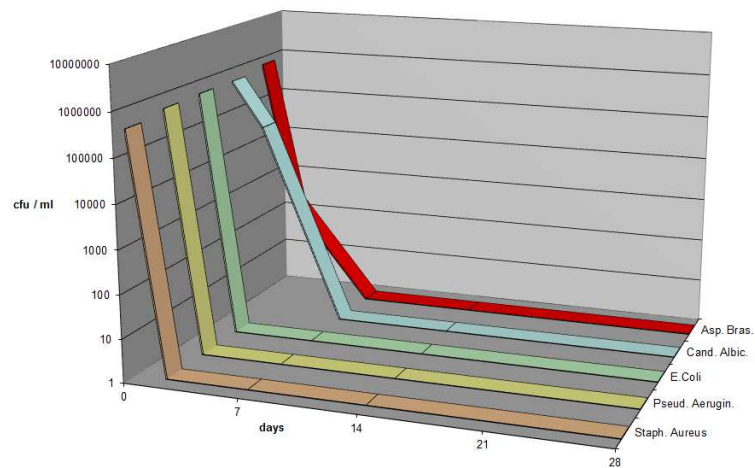


Verstatil BOB

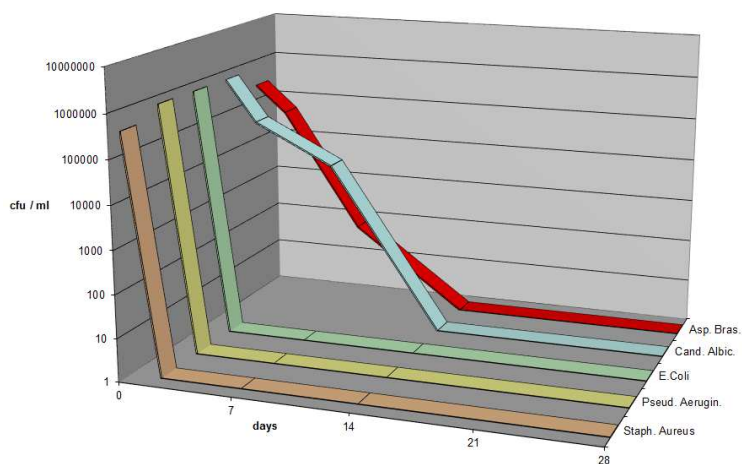
O/W Formulation with 1% **Verstatil BOB** at pH 5,5



O/W Formulation with 1% **Verstatil BOB** at pH 7



PEG-O/W with 1% **Verstatil BOB** at pH 7



Verstatil BOB

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

Purity

Verstatil BOB does not contain genetically modified material, dioxine, phthalates, BSE-related material or CMR-material.

Packing units

Verstatil BOB is available in 25 kg cans, 200 kg barrels and 1000 kg IBC.

Environmental Information

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

Handling and storage

In closed original containers **Verstatil BOB** can be stored for at least 1 year. **Verstatil BOB** 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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