

Vercapro

LEGAS

Multifunctional cost-effective and synergetic system for a powerful cosmetic formulae protection. 90% Natural Origin. COSMOS compliance.



Description and applications:

The ingredient combines the synergies of organic acid and advanced multifunctional surfactant systems to provide antimicrobial safety, minimized content of preservative substances, and minimized impact on formulae stability.

The application formulae go from surfactant bases, aqueous systems and emulsions, both rinse off or leave on product types.

INCI:

Glyceryl Caprylate, Aqua, Sodium Levulinate, Potassium Sorbate, Propylene glycol

Appearance:

Colourless or transparent yellow.

	Recommended use level %	pH-range
Aqueous sys.	1,5 - 2,0	4 – 6
Toiletries	1,5 - 2,0	4 – 6
Emulsions	1,5 - 3,0	4 – 6

Efficacy spectrum	G+	G-	Yeast	Mold
Vercapro LEGAS	✓✓	✓✓	✓✓	✓✓

Very good ✓✓, good ✓, Insufficient –

Regulatory status CTFA, EU, CLS, AICS



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Shelf life:

3 years as long as it is kept in closed original containers at recommended temperatures.

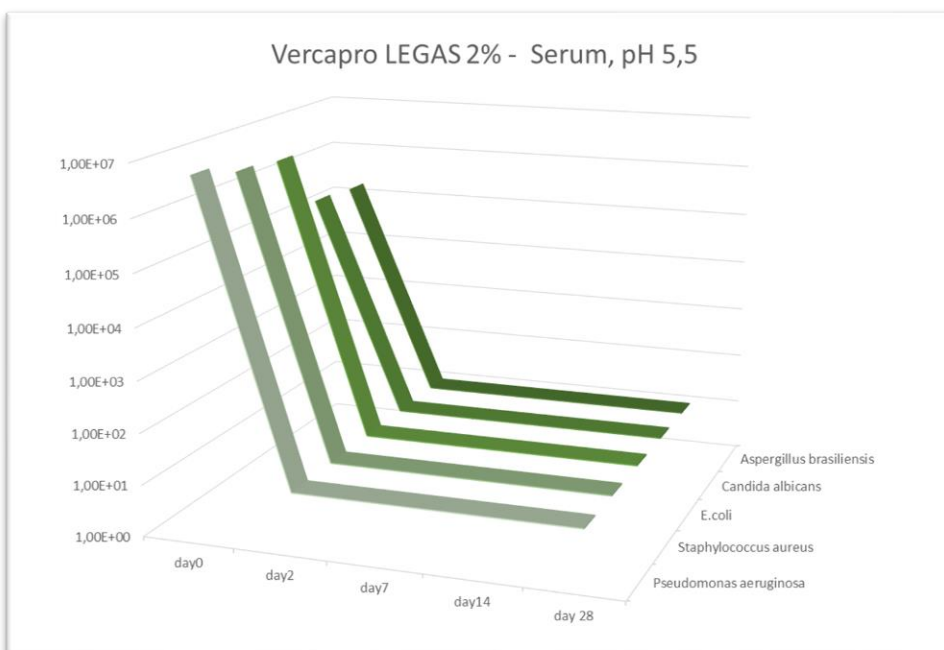
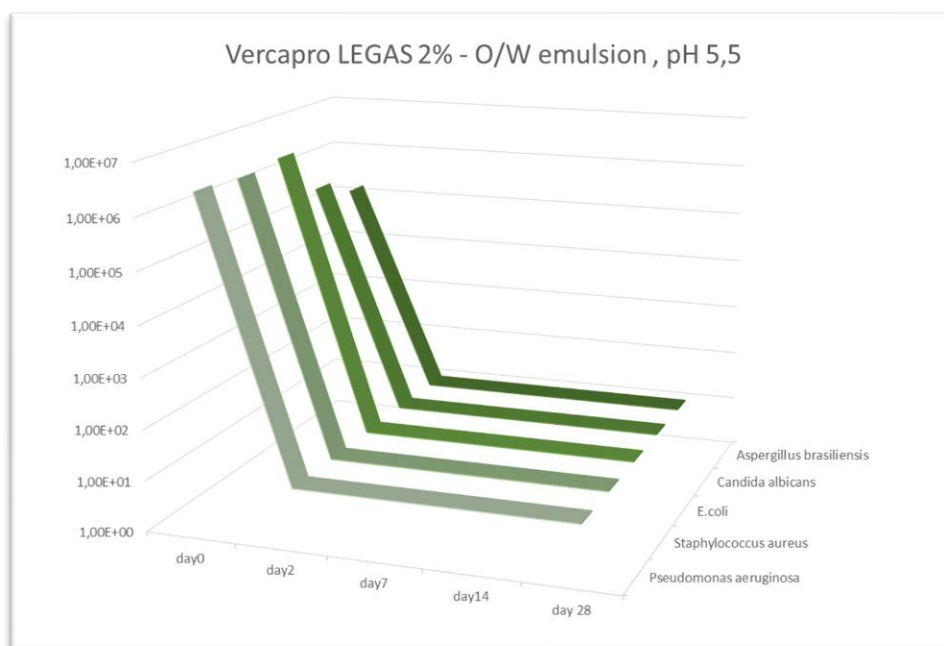
Storage:

Keep packaging unopened and undamaged. Store at room temperature in a clean and aerated place.

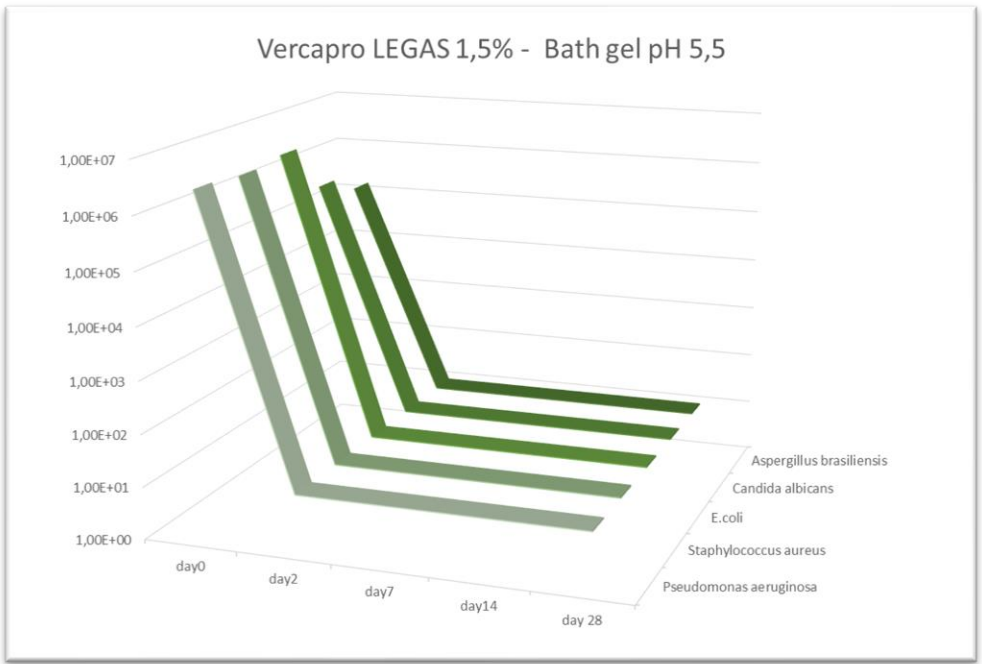
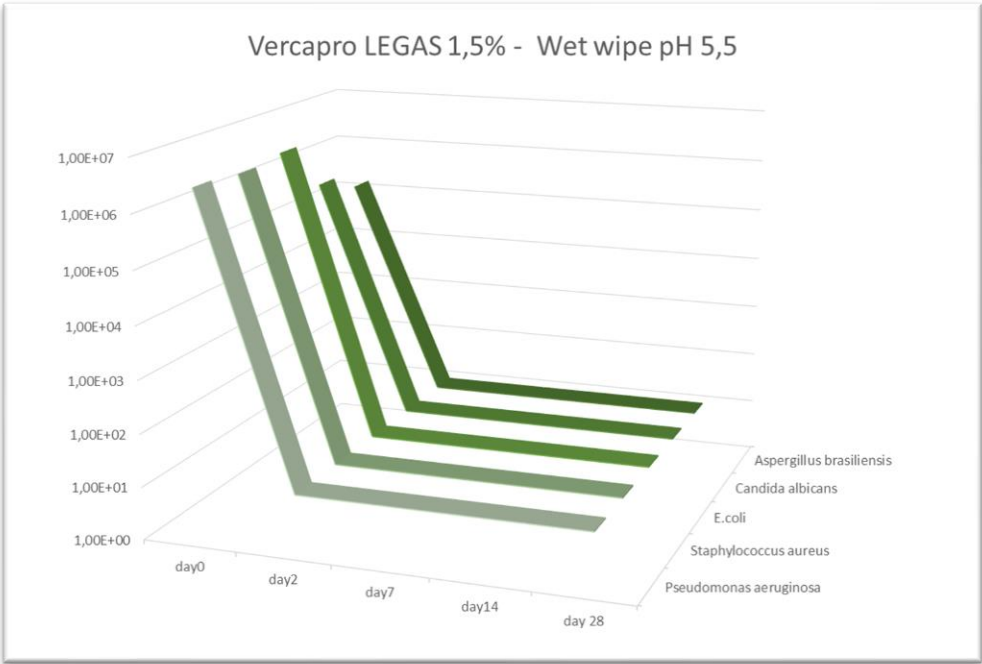
Packaging:

25L, 1.000 L. (IBC optional)

RESULTS ON EMULSIONS



RESULTS ON SURFACTANT/AQUEOUS SYSTEMS



Additional tests: **HRIPT:** Human Repeated Insult Patch test on reactive skin through external expert licensed laboratory.

STUDY SYNOPSIS

OBJECTIVE	This study intends to confirm the skin compatibility after one single application (1 st induction patch) and after repeated applications and absence of delayed cutaneous sensitizing potential of the product GEL + 2% VERCAPRO LEGAS, REF. GA-29, BATCH 20191125 , after repeated application to the skin under exaggerated experimental conditions in human subjects.
STUDY DATES	Beginning: 2/12/2019 End: 10/01/2020
NAME REFERENCE BATCH NUMBER	GEL + 2% VERCAPRO LEGAS GA-29 20191125
SUBJECT NUMBER	The skin compatibility of the test product was assessed in fifty (50) subjects.
SPECIFIC INCLUSION CRITERIA	Age: 18 to 70 years, Gender: male and female, Phototype (Fitzpatrick): I to IV, Type of skin: Reactive
CONCLUSION	Under the experimental conditions adopted the repeated applications of the product GEL + 2% VERCAPRO LEGAS, REF. GA-29, BATCH 20191125 , under occlusive patch, on a panel of 50 subjects, induced no irritative reactions and the product has very good skin compatibility. Moreover, the repeated applications induced no allergic reactions.



Induction phase	
Type of reactivity on the induction site	Number and percentage of reactive subjects
0	0 / 0%

Challenge phase	
Type of reactivity on the induction site and virgin site	Number and percentage of reactive subjects
0	0 / 0%

Control time after patch removal	Number of reactive subjects	Types of reaction	Mean daily irritation score Mdis	% of reactive subjects
D3	0	None	0	0
D5	0	None	0	0
D8	0	None	0	0
D10	0	None	0	0
D12	0	None	0	0
D15	0	None	0	0
D17	0	None	0	0
D19	0	None	0	0
D22	0	None	0	0

X. CONCLUSION

Under the experimental conditions adopted, the repeated applications of the product **GEL + 2% VERCAPRO LEGAS, REF. GA-29, BATCH 20191125**, under occlusive patch, on a panel of 50 subjects, induced no irritative reactions and the product has very good skin compatibility.

Moreover, the repeated applications induced no allergic reactions.

Formulae Examples:

BATH GEL M_GT-A15

A			
INGREDIENT	INCI	SUPPLIER	%
Deionized Water	Water	-	66,1
Vercare Phyta	Sodium Phytate	Jover	0,1
Vercapro LEGAS	Glyceryl Caprylate, Aqua, Sodium Levulinate, Potassium Sorbate, Propylene Glycol	Jover	2,0
Xanthan Gum	Xanthan Gum	-	0,8
B			
Sodium Cocoyl Glutamate	Sodium Cocoyl Glutamate	Jover	30,0
Defenscalp™	Water (and) Epilobium Angustifolium Flower/Leaf/ Stem Extract	Lucas Meyer Cosmetics IFF	1,0

1. Mix phase A until total dispersion of Xanthan Gum | 2. Mix phase B one by one under medium stirring | 3. Adjust pH 5,0-5,5



AQUA NIGHT FRESH M_C-A117

A

INGREDIENT	INCI	SUPPLIER	%
Deionized Water	Water	-	66,3
Vercare Phyta	Sodium Phytate	Jover	0,1
Vercapro LEGAS	Glyceryl Caprylate, Aqua, Sodium Levulinate, Potassium Sorbate, Propylene Glycol	Jover	3,0
GLYCERECO	Glycerin	Jover	8,0

B

Lecigel™	Sodium Acrylates Copolymer, Lecithin	Lucas Meyer Cosmetics IFF	2,0
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C

Vercare PROPYHEPTA	Propylene Glycol Diheptanoate	Jover	9,0
Megasoft Complex 6427	Crambe Abyssinica Seed Oil, Euphorbia Cerifera Cera, Hydroxystearic Acid, Beta-Sitosterol, Rhus Verniciflua Peel Cera/Rhus Succedanea Fruit Cera, Tocopherol, Helianthus Annuus Seed Oil	Kahlwax	3
Vegetable Wax 6240	Hydrogenated Vegetable Oil	Kahlwax	3
Rapeseed Wax 6237	Hydrogenated Rapeseed Oil	Kahlwax	3
Vercare Antiox 70	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Jover	0,3

D

WildBerry Harvest™ AF	Glycerin (and) Water (and) Tasmannia Lanceolata Fruit Extract (and) Syzygium Luehmannii Fruit Extract (and) Kunzea Pomifera Fruit Extract	Lucas Meyer Cosmetics IFF	2,0
Blue n° 1	CL 42090	Jover	0,05
Parfum Litsea Cubeba & Lavandin	Parfum (Fragrance)	Vanessence	0,2

1. Mix phase under medium stirring | 2. Add Lecigel under medium stirring to make the gel | 3. Add C under medium stirring | 4. Add phase D one by one under medium stirring | 5. Adjust pH 5,0-5,5

SERVICES:

R&D Application Lab for consulting and customer support in:

- Texture Ideas
- Preservation proposals
- Support in general

Challenge tests through an external certified laboratory.

