



# Anti-Fall Styling Cream Gel

An innovative styling with anti-fall effect.

## Inside the Formulation

### BIOSIL BASIC SPQ CE

Biosil Basics SPQ® CE is the paraben and phenoxyethanol free version of the original and distinctive ingredient, Biosil Basics SPQ®, which combines cationic properties together with a silicone as well as panthenol. It is a water soluble, clear ingredient which can be readily incorporated into formulations requiring clarity.

### LARACARE A 200

Laracare A 200, reduces appearance of fine line and wrinkles; reduces emulsion particle size. Furthermore, it's a Film-forming.

### VERSAGEL S 1000 T

Versagel® S1000 is based on thermoplastic block copolymer technology, with the addition of an N-acyl amino acid derivative. The copolymer block provides a flexible 3-dimensional gel structure, while the rigid structure is formed by the hydrogen bonding of the amino acid derivatives. The finished gel is solid but not brittle, elastic yet moldable, and can be used alone or as a rheological modifier in an existing formula.

### MACKADERM LIA

It's a silicone like sensorial profile and outstanding performance on dry state makes it suitable for hair care formulations. Moreover, it provides a light, non-greasy texture to the hair.

### GEOGARD 221

Geogard® 221 preservative is based on dehydroacetic acid (DHA) and benzyl alcohol, and therefore is recognized by major cosmetic, toiletry and fragrance regulatory authorities worldwide for use cosmetic and personal care products. Geogard® 221 allowing for its broad-spectrum efficacy; ECOCERT/COSMOS-accepted, Soil Association-approved and NPA-accepted.

### NIACINAMIDE USP PC

NIACINAMIDE USP PC is a water-soluble granular powder. Niacinamide may help improve skin barrier function, tackle signs of aging such as wrinkling, red blotchiness, yellowing and hyper-pigmented spots. May help reduce the appearance of acne, help improve skin texture and even skin complexion and may help to minimize hair fall

### BRONTIDE BIO BG

Genomatica's patented biocatalyst converts natural, renewable sugars to 1,3 butylene glycol through fermentation. The 1,3 butylene glycol is refined through multiple purification steps, removing the biocatalyst, excess water and other organic by products, to achieve a final purity of >99.9%.

### AQUAKEEP 10 SH-NFC

This type of polymer can absorb and retain water several hundred times more than its weight, without dissolving in water.



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Formulation reference : 06042018.4

Phase	Raw Material	INCI	%w/w	Supplier
A	Deionised Water	Aqua	72.09	
A	Biosil Basic SPQ CE	Silicone Quaternium-2 Panthenol Succinate	3.00	Biosil
A	Laracare A 200	Galactorabinan	2.00	Lonza
A		Carbomer	0.20	
A		Aqua, Sodium Hydroxide	0.11	
B	Versagel S 1000 T	Hydrogenated Polyisobutene (And) Butyl Stearate (And) Isostearyl Alcohol (And) Butylene/Ethylene/Styrene Copolymer (And) Ethylene/Propylene/Styrene Copolymer (And) Dibutyl Lauroyl Glutamide	5.00	Penreco
C		Ethylhexyl Palmitate	3.00	
C		Cetearyl Alcohol	1.50	
C	Geogard 221	Dehydroacetic Acid, Benzyl Alcohol, Aqua	1.00	Lonza
C	Mackaderm LIA	Isoamyl Laurate	2.00	Solvay
D	Prof. Citrus Fresh 052	Parfum	0.50	IFF
E	Deionised Water	Aqua	3.00	
E	Niacinamide USP PC	Niacinamide	1.00	Lonza
F	Brontide Bio GB	Butylene Glycol	4.20	Genomatica
F	Aquakeep 10 SH-NFC	Sodium Acrylates Crosspolymer-2, Silica, Aqua	1.40	Sumitomo

**Manufacturing Instructions**

- Mix the components of PHASE A, until dispersion, then heat by 70-75 °C.
- Neutralize with solution of NaOH 30%.
- Premix the component of PHASE B, heating by 90-100 °C, then cool.
- Once reached 70 °C, add the components of PHASE C.
- Add PHASE BC into PHASE A and emulsifier until uniformity, then cool.
- Once reached 40 °C, add the components of PHASE D, mix until uniformity.
- Add the premixed PHASE E, mix until uniformity.
- Finally, premix the components of PHASE F, slowly then add into the PHASE ABCDE.

**Specification**

pH 6.46  
 Stability Testing @40 °C: 3 months; @25 °C: 3 months; @5 °C: 3 months  
 Viscosity 52700 cPs (spindle 6; 10 rpm) Brookfield DV-1, 1 minute @ 25 °C

Formulation developed by Azelis Personal Care



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