



Pure Serum Gel

Velvety gel for perfect skin.

Inside the Formulation

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%.

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.

CARESIL CES-1104

A range of products from NuSil's patented SFS (Surfactant Free Silicone) emulsion technology made to stabilize the silicone membrane that covers a highly pure elastomer gel. That is all inside an aqueous gel that is ideal for skin perfecting formulations.

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 : 03042018.6

Phase	Raw Material	INCI	%w/w	Supplier
A	Brontide Bio BG	Butylene Glycol	3.00	Genomatica
A	Geogard 221	Dehydroacetic Acid, Benzyl Alcohol, Aqua	0.60	Lonza
A	Deionised Water	Aqua	38.61	
A		Carbomer	0.20	
B		Glycerin	43.50	
B	Caresil CES-1104	Dimethicone (And) Aqua (And) Glycerin (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Amodimethicone (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide (And) Disodium Edta	11.30	Avantor
B	Prof Flower Delight 409	Parfum	1.00	IFF
C		Sodium Hydroxide, Aqua	0.19	
D		Glycerin	1.20	
D	Aquakeep 10 SH-NCF	Sodium Acrylates Crosspolymer-2	0.40	Sumitomo

Manufacturing Instructions

- Mix the components of PHASE A, until uniformity.
- Premix the components of PHASE B, until uniformity.
- Add PHASE B into PHASE A, mix until uniformity.
- Neutralize with solution of NaOH 30%.
- Premix the components of PHASE D, slowly then add into the PHASE AB.

Specification

pH	6.75
Stability Testing	@40°C: 3 months; @25°C: 3 months; @5°C: 3 months
Viscosity	70900 cPs (spindle 6; 10 rpm) Brookfield DV-1, 1 minute @ 25°C
Appearance	Translucent Gel

Formulation developed by Azelis Personal Care



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