

Biome Body Butter (SC-B 026)

Combines the power of Serenibiome® and Fucogel 1.5P® to soothe and hydrate your skin. Serenibiome® repairs sensitivity and reduces redness and itching, while Fucogel 1.5P® offers lasting moisture and strengthens the skin's structure, leaving it soft, balanced, and deeply nourished.

Sensogel NOVUS is a very powerful polyol thickener which is used to great effect in this formula. Not only does it boost the viscosity of polyols like glycerin from a soft liquid into a structured gel, but also tamps down on the traditional stickiness associated with these types of ingredients.

OleoFlex EG-200 are film forming elastomeric texturizers for natural oils. They increase water resistance and lock the UV actives and natural oils onto the skin.

Serenibiome® is a double-patented active ingredient based on flocculosin that repairs skin sensitivity and targets the itch-scratch cycle. Bioinspired and clinically proven, it significantly improves atopic-prone skin by reducing redness, dryness, and itching.

Fucogel 1.5P® is a purified biotechnological anionic polysaccharide with a mean molecular weight of 106 Da, derived from bacterial fermentation, and consisting of galacturonic acid, L-fucose, and D-galactose. It offers immediate and lasting moisturizing and restructuring properties, enhancing the sensory experience of cosmetic formulas with comfort and softness, and is available in 1% (w/w) concentration in water.

Specifications

- 🍏 Viscosity: 275,000 - 315,000 cP @5 rpm
- 🍏 pH: 5.0-5.8
- 🍏 Freeze-Thaw: Passed 3 Cycles
- 🍏 50°C oven: 6 weeks stable

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
A	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Water (and) C15-C23 Alkane (and) Decyl Glucoside (and) C13-C14 Alkane (and) Glycerin (Sensogel NOVUS)	3.00
	Sunflower (HELIANTHUS ANNUUS) Seed Oil (and) Caprylic/Capric Triglycerides (and) Styrene/Butadiene Copolymer (OleoFlex EG-200)	10.00
	Cetearyl Alcohol	2.00
	Stearic Acid	1.50
	Shea Butter	2.50
	Cocos Nucifera (Coconut) Oil	2.50
	Helianthus Annuus (Sunflower) oil	1.00
	Capric/Caprylic Triglyceride	6.00
	Dimethicone (5 cSt)	3.50
	GMS/PEG-100 Stearate (Ritapro 165)	2.50
B	Polysorbate-80	1.00
	Water	56.05
	Disodium EDTA	0.05
	Glycerine	4.00
C	Propylene Glycol	2.00
	Preservative	0.20
	Fragrance	0.20
	Propanediol (and) Glycolipids (Serenibiome)	2.00
	Biosaccharide gum-1 (Fucogel 1.5P)	1.00
	FDC Y5 Dye (0.1% aqueous solution)	

Processing Method

1. Heat Phase A to 85 Celsius and make sure all Sensogel is dispersed.
2. Heat Phase B to 85 Celsius to a homogenous solution.
3. Pour Phase A into Phase B while mixing by a homogenizer at 75 - 85 Celsius, 4000 rpm. Continue mixing for 10 -15 minutes.
4. Cool down to 45 Celsius.
5. Add phase C. Then cool down to 30 Celsius.
6. Adjust pH to 5.0 - 5.8 if necessary.