

Biotic Barrier Restoration Lotion (SC-F 032N)

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
A ₁	Water	68.50
	Aloe Juice Concentrate 10x	3.0
	DL-Panthenol	0.30
	Alpha glucan-oligosaccharide / Polymnia sonchifolia root juice / Maltodextrin / Lactobacillus (EcoSkin®)	2.0
	Preservative	1.0
A ₂	Tremella Fuciformis Sporocarp Extract (PhytoCare-HA CG 1M)	0.20
	Tremella Fuciformis Sporocarp Extract (PhytoCare-HA CG DH)	0.20
	Glycerin	10.0
B	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Water (and) C13-C14 Alkane (and) C15-C23 Alkane (and) Decyl Glucoside (and) Glycerin (Sensogel NOVUS)	4.0
	Joboba Oil	10.0
	Bisabolol (Dragosanto1 100)	0.30
	Vitamin E Acetate	0.50
	Fragrance	Q.S.

Processing Method

1. Add Phase A₁ to the main vessel and slowly mix using a dispersion blade (300-500rpm).
2. In a separate container, mix Phase A₂ to create a slurry. While continuing to mix Phase A₁, add Phase A₂ into the main vessel. Increase the speed to 500-600rpm and continue mixing for 10 minutes.
3. Mix Phase B in a separate vessel until homogeneous.
4. Move the Phase B vessel to a Silverson homogenizer. Slowly add Phase A₁₊₂ into Phase B while homogenizing and increasing speed to 4000rpm. Continue homogenizing for 10 minutes.

Specifications

- 🍏 Viscosity at 10 rpm: 25,000 cP
- 🍏 50°C oven: 1 month stable
- 🍏 Freeze-Thaw: Passed 3 Cycles

About The Prototype

Benchmark Product: La Roche-Posay Lipikar AP+M Triple Repair Body Moisturizer for Dry Skin

A deeply hydrating, microbiome-wellness daily lotion with a rich, water-fresh texture that delivers a multitude of active ingredients to soothe and heal damaged skin. Fast absorbing with a cushioned, hydrating afterfeel, this lotion features a high end sensory profile using a minimalist, stable chassis.

Formulator Focus

The combination of Phytocare-HA CG 1M, Phytocare-HA CG DH and EcoSkin® actives creates an extremely powerful microbiome-rebalancing complex that promotes inside-out skin hydration and oxygenation. The addition of bisabolol, panthenol, aloe and vitamin E serves to complement the hydrating effect of this complex by offering additional anti-irritation and anti-oxidant benefits. Additionally, the use of Sensogel Novus as the primary thickener creates a stable, glycerin-based chassis that amplifies the hydration benefits of low cost humectants while retaining the sensory profile of premium formulations.

Ingredient Highlights

ECOSKIN®

is a vegan pre/postbiotic complex for radiant skin. The unique combination of polysaccharides and probiotics rebalances the skin's microbial barrier by regenerating the cutaneous surface, helping it achieve a healthy, hydrated equilibrium. This active is made from glucooligosaccharides obtained by enzymatic synthesis from vegetable substrates, a 100% vegetable juice obtained from Yacon tubers and inactivated Lactobacillus probiotic bacteria.

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.

PHYTOCARE-HA

is a group of magic hydration powerhouse actives extracted from Snow Mushroom. Phytocare-HA CG 1M forms a moisture-restoring flexible film to hydrate and repair the skin, thus rebuilding skin elasticity. Phytocare-HA CG DH penetrates the skin to hydrate deep in the skin layers and promote the generation of hyaluronic acid in the dermis.