



## Beyond Silk Lactic Acid

### Polishing Gel (SC-F 029N)

This silky smooth lactic acid treatment features Sensogel's SPE Complex, which helps create a satiny, melt-into-skin sensory that both resurfaces and replenishes. The addition of bisabolol and our Phytocare-HA snow mushroom extract creates a double whammy of anti-irritation and hyaluronic acid-like hydration benefits. This is a stable formula that can easily tolerate additional actives, so formulators can add in anti-acne ingredients like salicylic acid to help treat "maskne" as well.

**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.

#### Specifications

- 🍏 pH: 4.00
- 🍏 Viscosity at 5 rpm: 12,400 cP
- 🍏 50°C oven: On-going
- 🍏 Freeze-Thaw: Passed 3 Cycles

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
<b>A</b>	Isohexadecane	4.50
	Dimethicone	4.50
	Bisabolol (Dragosanto1 100)	0.30
<b>B<sub>1</sub></b>	Glycerin	16.5
	Xanthan gum	0.30
	Preservative	0.15
	Snow Mushroom Extract (PhytoCare-HA CG 1M)	0.30
	Sorbitol	10.0
<b>B<sub>2</sub></b>	Water	53.34
<b>B<sub>3</sub></b>	Sensogel Novus	0.75
<b>C</b>	Sensogel Novus	0.60
<b>D</b>	Lactic Acid, 88% active	5.68
<b>E</b>	50% NaOH	2.48

#### Processing Method

1. Mix Phase B<sub>1</sub> until well-dispersed at room temperature, then add Phase B<sub>2</sub> and continue mixing until homogenous. Homogenize Phase B<sub>1+2</sub> at 4000 rpm for 15 minutes.
2. On a dispersion blade, add Phase B<sub>3</sub> to Phase B<sub>1+2</sub> until homogenous (~ 5 minutes at 700-1200rpm).
3. Slowly add Phase A into Phase B<sub>1+2+3</sub> and mix for 5 minutes.
4. Add and mix Phase C to Phase AB for 5-10 minutes at 1200-1500rpm.
5. Slowly add and mix Phase D to Phase ABC for 5-10 minutes at 1200-1500rpm.
6. Adjust pH by adding Phase E to Phase ABCD while mixing for 5-10 minutes at 1200-1500rpm.

Create Possibilities

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