

24 Hours Super Moisturizing Night Cream

"Looks like heavy cream, feels like a super fresh hydro-gel"

In this formulation, **Sensogel 200** provides:

- a surprisingly super fresh feeling, a glossy white texture and a smooth spreading feeling.
- **faster** absorption on skin and a non-tacky, moisturizing after feel.
- a **reduced cost** option for traditional high-viscosity creams that use more water instead of waxes, and still offers a lighter sensory which cannot be achieved in high-wax creams.
- a stronger thickening power than other thickeners on the market*
- a worry-free transfer from lab to manufacture due to a **steady viscosity dose response**, which is both time saving and economical.

*In comparison with (Hydroxyethyl Acrylate/ Sodium Acryloyldimethyl Taurate Copolymer and Isohexadecane and Polysorbate 60).

By increasing Sensogel 200, it's easy to make a spray (0.2%~0.7%), a lotion (0.8%~1%), a cream (~1.1%), or butter (3%-4%) to obtain a desirable sensory.

PhytoCare-HA CG 1M (Snow Mushroom extract active) creates a natural flexible hydration film on skin that restores the dry skin to its optimally hydrated and supple state.

Sensogel 200: 3-in-1 stable and ready-to-use associative thickener that can work as an emulsifier, a stabilizer, and thickener for a wide range of **pH (2 – 12)** in O/W sunscreen preparation with a reduced amount of emulsifiers to provide light and **quick-absorbing** sensory and a range of **textures** from sprays, lotions, creams, and butters. Also able to **thicken** 99% **Glycerin** with 1% Sensogel 200, making a water-soluble, petroleum-like viscous paste with a non-tacky sensory. It is designed for skin care, sun care and hair conditioners.

Phase	INCI Name, (Trade Name)	Wt %	Process: 1. Mix phase B homogenous with a propeller (below 50C), then add it into phase A. 2. Heat phase (A+B) and phase C separately to about 80C 3. Pour phase C into the mixture of phase (A+B) at about 80C while mixing by homogenizer at 4000 rpm, and continue mixing for 5 minutes. 4. Cool down to 50C, the add D into the system 5. Cool down to 30C, then adjust pH with 10 citric acid solution (pH 4.4 ~ 5.4)
A	Water	70.1	
	Disodium EDTA	0.05	
B	PhytoCare-HA™ CG 1M (Snow Mushroom Extract)	0.05	
	Glycerin	12.0	
C	Sunflower seed oil	3.00	
	Dimethicone	1.00	
	Caprylic/Capric Triglyceride	2.00	
	Shea Butter	2.00	
	Petrolatum Jelly	4.00	
	Stearic Acid	0.50	
	Cetearyl Alcohol	0.75	
	Glyceryl Monostearate	0.75	
	Oleth-20	0.50	
	Sensogel 200	3.00	
D	Phenoxyethanol	0.20	
	Fragrance	0.10	
Feature	Viscosity (cP) @ 5 rpm	132,000	pH 4.92