



Skin Brightener Serum, Low pH with AHA, V2

- **Sensogel 200** is a perfect texturizer/ thickener/emulsifier for low pH, skin brightening/peeling products with high concentration of alpha hydroxyl acid (AHA).
- **Sensogel 200** is effective for the preparation of **pH 2** skin treatment products with **10% of glycolic acid**.

Sensogel 200:

- A 3-in-1 stable and ready-to-use associative thickener that can work as an emulsifier, a stabilizer, and a 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.
- Ability to **thicken** 99% **Glycerin** with 1% Sensogel 200, making a water-soluble, petroleum-like viscous paste with non-tacky sensory.
- Designed for skin care, sun care and hair conditioners; emulsion systems such as sprays, lotions, creams or butters.

| Phase | INCI Name, (Trade Name) | (Wt %) | Process: 1). Prepare phase A at RT and heat to 60 C and above. 2). Prepare phase B at RT, and add slowly into A while mixing at high speed with propeller (1000 - 1500 rpm) and 60C and above. 3). Continue mixing until all Sensogel 200 dissolved. 4). Begin to cool down while mixing at 600 - 800 rpm, and add the lost water at about 50C. | |
|----------------|-------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| A | 1 | Water | | 84.94 |
| | 2 | EDTA (Dissolvine GL-47S) | | 0.05 |
| | 3 | Glycolic Acid (70% Soln.) | | 10.0 |
| | 4 | Preservative | | 0.01 |
| B | 5 | Meadowfoam Oil | | 1.00 |
| | 6 | Sensogel 200 | 4.00 | |
| Feature | Viscosity (cP) @ 5 rpm | 40,160 | pH 2 | |

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