

## SheerShield Natural Lip Balm, SPF 35 Broad Spectrum (SunS 005)

A dramatic improvement over traditional mineral lip balm technology, this formulation is 99.999% natural and has fantastic transparency. This stick features strong stability and efficient sun protection, requiring only 16.1% Zinc Oxide actives to achieve SPF 35 without any SPF boosters.

**G-GEL ECO-HMS** is an organoclay gel designed for clean beauty application and natural formulation. It has a natural origin index of 0.99. It reduces drag and tackiness from waxes and film formers. G-Gel technology greatly boosts suspension and creamy sensory of mineral UV filter, making it a crucial ingredient in stabilizing mineral sunscreens.

**G-Block** products are COSMOS, NPA approved, high active mineral UV filter dispersions which give predictable SPF and broad-spectrum benefits. Their excellent spreadability simplifies formulation development and the manufacturing process.

### Specifications

- 🍏 SPF:34.5, FDA protocol, 1 subject
- 🍏 CW: 370 nm, Broad Spectrum
- 🍏 50°C oven: 1 month stable
- 🍏 Freeze-Thaw: Passed 3 Cycles

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
A <sub>1</sub>	G-Block DZ 370 CCT	23.0
	G-Gel Eco-HMS	3.00
A <sub>2</sub>	Prunus Amygdalus Dulcis (Sweet Almond) Oil	5.00
B <sub>1</sub>	Squalane	12.0
	Shea Butter	9.00
	Cocos Nucifera (Coconut) Oil	21.0
	Euphorbia Cerifera (Candelilla) Wax	10.0
	Hydrogenated Castor Oil (Castor Wax MP 70)	6.00
	Beeswax	6.50
B <sub>2</sub>	Stearic Acid	4.00
C	Preservative	0.50
	Fragrance	Q.S

### Processing Method

1. Mix Phase A<sub>1</sub> with a dispersion blade until homogeneous paste. Add Phase A<sub>2</sub> and continue mixing for 10 minutes.
2. Raise temperature to 80 Celsius and add Phase B<sub>1</sub>. Mix until homogenous and then mix with Phase B<sub>2</sub> until homogeneous.
3. Add Phase C. Raise temperature to 95 C so that it is easy to pour into mould and allow it to solidify.

