***Less is more*: this compact, waterless sunscreen stick is travel-friendly, preservative-free and is environmentally friendly. This all-mineral sunscreen is great for the whole family and features nourishing mango butter.**

Category: Sun Care

**HS1-295: Zinc Oxide Sunscreen Stick SPF 30**

|  |  |  |  |
| --- | --- | --- | --- |
| Ingredient | INCI | Supplier | W/W% |
| Phase A |  |  |  |
| Elefac I-205 | **Octyldodecyl Neopentanoate** | **Alzo International** | **40** |
| Super Zinc Sheer 1000 | Zinc Oxide (and) Triethoxycaprylylsilane (and) Ethyl Ferulate | Vizor | 20 |
| Phase B |  |  |  |
| Trivent Mango Butter | Mangifera Indica (Mango) Seed Butter | Alzo International | 16 |
| BioMade BB | **Behenyl Behenate** | **Alzo International** | **9** |
| Hetester SSS | **Stearyl Stearoyl Stearate** | **Alzo International** | **9** |
| Dermowax SB | Stearyl Behenate | Alzo International | 6 |
| Total |  |  | **100** |

**Formula NOI:** 40% Naturally Derived (ISO 16128)

*Naturality can be increased to 80% replacing Elefac I-205 with Beantree*

**Manufacturing Procedure**:

1. Add Phase A to beaker and mix lightly with tongue depressor to make sure ZnO is evenly dispersed & not clumping. Homogenize on Silverson for 10 minutes at 5,000 rpm, then remove.
2. Add Phase B to Phase A, heat to 75-80° and mix on prop mixer
3. Make sure everything is melted and well mixed, then pour into components

**Alzo Ingredient Benefits**:

**BioMade BB –** 73° C melt point, waxy ester that adds body/payoff to the formula and provides substantivity to skin and hair. Excellent alternative to polyethylene & petrochemical waxes in stick products

**Elefac I-205 –** ester; excellent organic sunscreen solubilizer and TiO2 & ZnO pigment wetter.

**Hetester SSS –** unique waxy ester that improves creaminess and payoff of stick products