

CeraLuxe Lip & Cheek Balm, SPF 50, Broad Spectrum (MU-BL 003)

| PHASE | INCI NAME (TRADE NAME) | USAGE (WT%) |
|----------------|---|-------------|
| A ₁ | S-Block DZ CocoDerm | 31.50 |
| | G-Gel Eco-HMS | 8.00 |
| A ₂ | Caprylic/Capric Triglycerides | 0.60 |
| | Applecare PDS-300 | 0.06 |
| | Red Iron Oxide | 0.48 |
| | Yellow Iron Oxide | 0.12 |
| | Red 7 Lake | 0.12 |
| B ₁ | Rice Bran Wax | 5.00 |
| | Candelilla Wax | 2.00 |
| | Behenyl Behenate (Dermowax BB) | 4.00 |
| | Solid Coconut Oil | 11.00 |
| B ₂ | Safflower oil / Palm oil aminopropanediol esters (06 Ceramide from Solabia) | 0.50 |
| C | Isodecyl Isononanoate (Dermol 109) | 14.00 |
| | Dicaprylyl Ether (Cetiol 0E) | 12.62 |
| D | Methyl Methacrylate Crosspolymer (MSP-825) | 5.00 |
| | Silica (MSS-500) | 5.00 |

Processing Method:

- Mix Phase A₁ with dispersion blade until all G-Gel is evenly dispersed in S-Block.
- Mix Phase A₂ at 70C with a dispersion mixer for 30 minutes. Place through a 3 roller mill two times (7:3, 3:1). Add A₂ to A₁ and let dispersion mix for 5 minutes. Scrape the edges to ensure pigment is evenly dispersed.
- Add Phase B₁ to A and microwave in 10 second increments, stirring until it reaches 80C. Dispersion mix until homogenous (5 minutes).
- Add Phase B₂ and dispersion mix for 5 min. Ensure all is melted and homogenous.
- Weight Phase C in a separate vessel and pour in while mixing. Let mix for 3 minutes at 300 RPM (Low shear prevents bubbles).
- Weigh Phase D in a separate vessel and slowly add into ABC and mix for 5 minutes at 300 RPM.

Specifications

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

About The Prototype

Benchmark Product: Rare Beauty Melting Cream Blush

Do you love the allure of a monochromatic look? Our versatile balm serves as a dual-purpose wonder, shielding your cheeks and lips from the sun's damaging rays. As you blend it in, the initial melting sensation transforms into a powdery soft finish, imparting a plush radiance to your lips and cheeks. With its soothing properties and anti-aging benefits, our balm nurtures your skin whether worn solo or in tandem with other makeup essentials.

Formulator Focus

The combination of S-Block DZ CocoDerm, G-Gel Eco-HMS, and Applecare PDS-300 creates an ultra-stable mineral SPF platform with a pH-steady environment, perfectly in synch with high tech microbiome-wellness actives like Omega6 Ceramides®.

Ingredient Highlights

OMEGA 6 CERAMIDE®

uses the latest in enzymatic biocatalytic technology to fuse a natural ceramide-like molecular structure with plant-sourced Omega fatty acids. The result is an advanced biomimetic skin active that is even more effective than traditional ceramides at skin barrier repair and restoration in addition to providing soothing anti-inflammatory properties.

S-BLOCK DZ COCODERM

is the new generation of sensory UV-grade mineral dispersions designed for modern high performance sun care. It features a high slip sensory during application with a medium moisturizing after-feel. It is non-nano, has an enhanced active loading of 78%, and gives predictable SPF and broad-spectrum benefits. Its excellent multi-system compatibility simplifies both formulation development and the manufacturing process.

G-GEL ECO-HMS

is an organoclay gel designed for clean beauty applications. It greatly boosts suspension and sensory of color cosmetic chassis, making it a crucial ingredient in stabilizing high concentrations of color pigments with mineral SPF.

Applecare PDS-300

is widely known for its use in wetting and dispersing traditional pigments. In this formulation it is used to disperse specialty and pearlescent pigments therefore allowing for the development of a consistent brilliant shine.