



Product Formulation

Cocolatum Calamine

PHC-PF-23-090

Our Cocolatum Calamine cream uses a coconut-derived petrolatum replacement, which gives better biocompatibility and serves as a natural alternative. Our formulation also includes Emulsier GML and NatPro 7000 to serve as antibacterial and antifungal, respectively.

Phase	Ingredient	INCI	Function	%
A1	Cocolatum 501	Cocoglycerides (and) <i>Cera alba</i> (Beeswax) (and) <i>Euphorbia cerifera</i> (Candelilla) Wax	Emollient Base	74.95
A2	Zinc Oxide	Zinc Oxide	Active	22.00
A3	Menthol Crystals	Menthol	Cooling Agent	0.50
A4	Glyzer CT200	Caprylic/Capric/Lauric Triglyceride	Emollient	0.44
A5	Red Iron Oxide		Pigment	0.03
A6	Yellow Iron Oxide		Pigment	0.08
A7	Emulsier GML	Glyceryl Laurate	Active	1.00
A8	NatPro 7000	Glyceryl Undecylenate	Anti-fungal	1.00
	TOTAL			100.00

Formulation Benefits

- ✓ Fast acting soothing effect
- ✓ Petroleum-free
- ✓ Uses natural actives

Key Ingredients

Cocolatum 501

- ✓ 100% Plant-derived
- ✓ Outstanding spreadability and skin-feel
- ✓ ISO 16128: 100%



Glyzer CT200

- ✓ Outstanding spreadability and non-greasy
- ✓ Moisturizing and suitable for sensitive skin
- ✓ ISO 16128: 100%



NatPro 7000

- ✓ Natural preservative booster and anti-microbial active
- ✓ Natural co-emulsifier and superfatting active
- ✓ ISO 16128: 100%



Emulsier GML

- ✓ High monoglyceride content of 40% for effective control of microbial organism.
- ✓ ISO 16128: 100%

All data, formulations and information provided herein have not been comprehensively tested and are not represented as suitable for any particular uses. Statement concerning possible or suggested uses made herein may not be relied upon or be construed as a guaranty of no patent infringement. Users have the sole responsibility and obligation for making preliminary tests to determine the suitability of the sample formulations described herein for any application, to make tests before use in any specific applications, and to confirm the performance, efficacy, safety and regulatory compliance of such products for their particular use.

NATURA AEROPACK CORPORATION

First Industrial Township, Special Economic Zone FIT-SEZ, Brgy. Pagaspas, Tanauan, Batangas, Philippines 4232

☎ (+632) 8635 0680 📠 (+632) 8635 0703 ✉ info@natura-aeropack.com 🏠 <https://natura-aeropack.com>



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Procedure

- 1 Add ingredients A1 to A6 successively while mixing until homogeneous, heat to 65°C.
- 2 Homogenize at 6000 rpm for 10 minutes or until pigments and zinc oxide are evenly dispersed.
- 3 At around 55°C, add **Emulsier GML** and **NatPro 7000**, continue mixing until homogeneous.

Specification

Appearance	Thick reddish pink paste
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Density	0.95 - 1.00
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