



# Product Formulation

## Glow Body Lotion SPF 30

PHC-PF-22-109

This coconut emollient-based shimmering lotion gives you both a golden glow and sun protection. Much like cream highlighters to give you a glow on the face, this serves the same for your body.

Phase	Ingredient	INCI	Function	%
A1	Glyzer CT500	Cocoglycerides	Emollient	24.75
A2	Cocolatum 503	Cocoglycerides (and) <i>Oryza sativa</i> (Rice) Bran Wax (and) <i>Euphorbia cerifera</i> (Candelilla) Wax	Skin protectant	24
A3	20% Yellow iron oxide	CI 77492	Colorant	1.4
A4	20% Titanium dioxide	CI 77891	Colorant	4
A5	Cetyl alcohol	Cetyl alcohol	Emollient	4
A6	Fumed silica	Silica	Rheology modifier	5.8
B1	Octocrylene	Octocrylene	UV filter	10
B2	Avobenzene	Avobenzene	UV filter	2.5
B3	Homosalate	Homosalate	UV filter	10
B4	Octyl salicylate	Octyl salicylate	UV filter	5
C1	CI 77891	CI 77891	Colorant	4
C2	CI 77491	CI 77491	Colorant	1.7
C3	CI 77480	CI 77480	Colorant	0.45
C4	CI 77820	CI 77820	Colorant	2
C5	Mixed tocopherols	Mixed tocopherols	Anti-oxidant	0.4
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Natural coconut moisturizers
- ✓ SPF 30 for effective protection
- ✓ Moisturizing
- ✓ Cocolatum-based

### Key Ingredients

#### GLYZER CT 500

- ✓ Intensive moisturization
- ✓ Excellent UV filter and pigment dispersant
- ✓ Naturally sourced and biodegradable
- ✓ ISO-16128: 100%



#### COCOLATUM 503

- ✓ Outstanding spreadability
- ✓ Silky skin feel
- ✓ Good for skin rashes
- ✓ Vegan & cruelty-free
- ✓ ISO-16128: 100%



Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard

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.

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## Procedure

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- 1 Dispense Phase A item 1 to 5 into the vessel and gradually stir with heating – heat only until all of the solids have melted and has homogeneously mixed with Cocolatum 503.
  - 2 Gradually add the fumed silica in separate additions. Once totally incorporated, homogenize at 5000 rpm for 8 to 10 minutes to get a small grind.
  - 3 At temperature  $\leq 60^{\circ}\text{C}$  add the UV filters of Phase B one at a time with continuous, slow mixing. Ensure that the avobenzone is totally melted.
  - 4 Add Phase C item 1 to 4 one at a time to achieve the desired appearance. Continue stirring until a homogeneous appearance is obtained.
  - 5 Allow to cool to  $< 40^{\circ}\text{C}$  and add C5 as anti-oxidant. Fill into desired containers. Pump bottles and squeeze tubes are suggested.
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## Specification

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Appearance	Soft oil gel
Color	Flesh tone with shimmers

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